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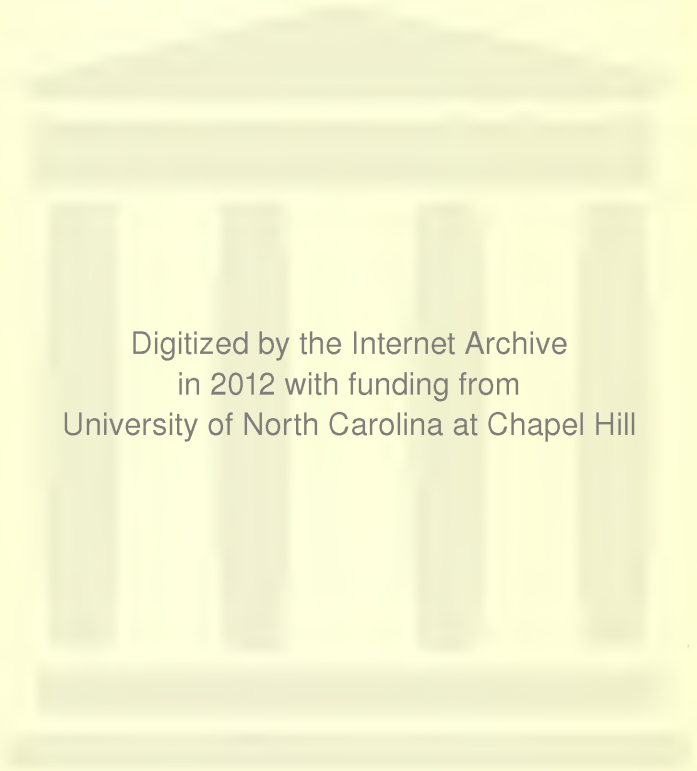
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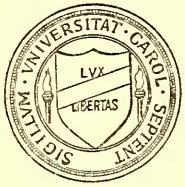
THE UNIVERSITY OF NORTH CAROLINA

THE ONE HUNDRED AND
TWENTY-EIGHTH SESSION



THE CATALOGUE

1921 - 1922

ANNOUNCEMENTS

for

1922-1923

1922

JANUARY							APRIL							JULY							OCTOBER						
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1923

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MARCH							JUNE							SEPTEMBER							DECEMBER						
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CALENDAR

1922

June 11-14	*Sunday to Wednesday.* Commencement
June 16-August 18	Summer Law School.
June 20-August 4	Summer School.
September 20-23	*Wednesday to Saturday.* Examinations for Removal of Conditions.
September 26-27	*Tuesday and Wednesday.* Registration for Fall Quarter. Entrance Examinations.
September 28	*Thursday.* Fall Quarter begins.
October 12	*Thursday.* University Day.
November 29	*Wednesday.* Thanksgiving Recess begins (1:30 P. M.)
December 5	*Tuesday.* Thanksgiving Recess ends (8:30 A. M.)
December 15	*Friday.* Fall Quarter Examinations begin.
December 21	*Thursday.* Fall Quarter ends. Christmas Recess begins.

1923

January 2-3	*Tuesday and Wednesday* Registration for Winter Quarter.
January 4	*Thursday.* Winter Quarter begins.
March 12	*Monday.* Winter Quarter Examinations begin.
March 17	*Saturday.* Winter Quarter ends.
March 19	*Monday.* Spring Quarter begins.
March 29	*Thursday.* Easter Recess begins (1:30 P. M.)
April 5	*Thursday.* Easter Recess ends (8:30 A. M.)
May 12	Selection of Commencement Orators.
June 2	*Saturday.* Spring Quarter Examinations begin.
June 9	Spring Quarter ends.
June 10	*Sunday.* Baccalaureate Sermon. Sermon before the Y. M. C. A.
June 11	*Monday.* Senior Class Day. Inter-Society Banquet and Reunions.
June 12	*Tuesday.* Alumni Day. Meeting of Board of Trustees,
June 13	*Wednesday.* Commencement Day.

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PART ONE—OFFICERS

BOARD OF TRUSTEES

OFFICERS OF ADMINISTRATION

OFFICERS OF INSTRUCTION

FACULTY COMMITTEES

TRUSTEES

CAMERON MORRISON, Governor, President *ex officio* of the Board of Trustees.

EUGENE CLYDE BROOKS, Superintendent of Public Instruction, member *ex officio* of the Board of Trustees.

HENRY M. LONDON, Secretary.

MEMBERS OF THE BOARD

1923*

Thomas Contee Bowie	Ashe
Bennehan Cameron	Durham
Adolphus Hill Eller	Forsyth
John William Fries	Forsyth
George Kenneth Grantham	Harnett
Charles Felix Harvey	Lenoir
William Lanier Hill	Duplin
George Allan Holderness	Edgecombe
John C. Lamb	Martin
Richard Henry Lewis	Wake
Henry M. London	Wake
Addison Goodloe Mangum	Gaston
James Smith Manning	Wake
John Johnson Parker	Union
Robert Lee Smith	Stanly
George Spencer Steele	Richmond
Walter Frank Taylor	Wayne
Thomas Davis Warren	Craven
John Kenyon Wilson	Pasquotank
Stanley Winborne	Hertford

1925

David Colin Barnes	Hertford
William Edmond Breese	Transylvania
Perrin Busbee	Wake
Julian Shakespeare Carr	Durham
John Somerville Cuningham	Durham
Josephus Daniels	Wake
James Lester DeLany	Mecklenburg
William Dunn, Jr.	Craven
Alexander Hawkins Graham	Orange
Augustus Washington Graham	Granville
George Chancellor Green	Halifax

* The legal term of office expires November 30th of the year indicated.

HARRY PERCY GRIER.....Iredell
JOHN BRYAN GRIMES..... Pitt
LUTHER THOMPSON HARTSELL..... Cabarrus
RUFUS LAFAYETTE HAYMORE..... Surry
JOHN ADDISON HENDRICKS .....Madison
JOHN WETMORE HINSDALE, JR..... Wake
FRANKLIN P. HOBGOOD.....Granville
WILLIAM STAMPS HOWARD..... Edgecombe
MAXCY LUTHER JOHN .....Scotland
PAUL JONES LONG.....Northampton
JOHN HALL MANNING.....Lenoir
ANGUS WILTON MCLEAN.....Robeson
JOHN ARCHIBALD PARKER .....Mecklenburg
GEORGE MCNEILL ROSE.....Cumberland
JAMES SPRUNT.....New Hanover
GEORGE STEPHENS..... Mecklenburg
JULIEN KNOX WARREN..... Jones
LINDSAY L. WARREN .....Beaufort
BAXTER BARKER WILLIAMS .....Warren

1927

BENJAMIN LEONIDAS BANKS.....Gates
WILLIAM HYSLOP SUMNER BURGWYN.....Northampton
WILLIAM PRESTON BYNUM.....Guilford
BURTON CRAIG .....Forsyth
REUBEN OSCAR EVERETT .....Durham
JOHN WASHINGTON GRAHAM.....Orange
JAMES LEE HYATT .....Yancey
BENJAMIN KITTRELL LASSITER..... Granville
STAHLE LINN.....Rowan
FRANK A. LINNEY .....Watauga
JACOB ELMER LONG.....Durham
WALTER MURPHY.....Rowan
HENRY ALLISON PAGE.....Moore
EDGAR WALKER PHARR .....Mecklenburg
TASKER POLK .....Warren
ROBERT BURWELL REDWINE.....Union
ALEXANDER ABEL SHUFORD, JR.....Catawba
CHARLES LEE SMITH.....Wake
EUGENE JACKSON TUCKER.....Person
ZEB VANCE WALSER.....Davidson
LESLIE WEIL.....Wayne
CHARLES WHEDBEE.....Perquimans

JOHN NESTOR WILSON.....Guilford
FRANCIS DONNELL WINSTON.....Bertie
ALBERT EDGAR WOLTZ.....Gaston

1929

THOMAS HALL BATTLE.....Nash
JAMES MCENTIRE CARSON.....Rutherford
FREDERICK JACKSON COXE.....Anson
WILLIE REID DALTON.....Rockingham
CLAUDIUS DOCKERY.....Montgomery
RUFUS ALEXANDER DOUGHTON.....Alleghany
WILLIAM NASH EVERETT.....Richmond
JAMES THOMAS EXUM.....Green
EPHRAIM LASH GAITHER.....Davie
THOMAS JACKSON GOLD.....Guilford
JAMES ALEXANDER GRAY.....Forsyth
JOHN SPRUNT HILL.....Durham
CHARLES ANDREW JONES.....Lincoln
JOSIAH CRUDUP KITTRELL.....Vance
JULIAN SMITH MANN.....Hyde
JOHN HENRY MCMULLAN, JR.....Chowan
HAYWOOD PARKER.....Buncombe
JOHN HENRY PEARSON, JR.....Burke
WILLIE MANGUM PERSON.....Franklin
AUGUSTUS HOBSON PRICE.....Rowan
JAMES DICK PROCTOR.....Robeson
ALFRED MOORE SCALES.....Guilford
DORMAN THOMPSON.....Iredell
GRAHAM WOODWARD.....Wilson
CLEMENT GILLESPIE WRIGHT.....Guilford

COMMITTEES OF THE TRUSTEES

Executive Committee

CAMERON MORRISON, *ex officio, Chairman*
HENRY M. LONDON, *ex officio, Secretary*

**1923:* W. N. EVERETT, W. P. BYNUM, J. S. CARR, JOSEPHUS DANIELS, A. M. SCALES.

**1924:* E. C. BROOKS, CLAUDIUS DOCKERY, J. W. GRAHAM, J. BRYAN GRIMES, WALTER MURPHY.

**1925:* R. H. LEWIS, C. L. SMITH, CHARLES WHEDBEE, J. S. MANNING, F. D. WINSTON.

Visiting Committee

**1923:* W. M. PERSON, THOMAS H. BATTLE.
**1924:* J. C. KITRELL, C. G. WRIGHT.
**1925:* W. E. BREESE, G. A. HOLDERNESS.

* Term expires.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

Harry Woodburn Chase, Ph.D., LL.D., President.
Walter Dallam Toy, M.A., Secretary of the Faculty.
Charles Thomas Woollen, Business Manager.
Julius Algernon Warren, Treasurer and Bursar.
Thomas James Wilson, Jr., Ph.D., Registrar.
Francis Foster Bradshaw, A.B., Dean of Students.
William McKeithan Fetzer, A.B., Director of Athletics.
Robert Allison Fetzer, B.S., M.A., Assistant Director of Athletics.

THE COLLEGES AND SCHOOLS

George Howe, Ph.D., Dean of the College of Liberal Arts.
Andrew Henry Patterson, A.M., Dean of the School of Applied Science.
*Marcus Cicero Stephens Noble, Dean of the School of Education.
Nathan Wilson Walker, A.M., Acting-Dean of the School of Education.
Dudley deWitt Carroll, M.A., Dean of the School of Commerce.
Edwin Greenlaw, Ph.D., Dean of the Graduate School.
Lucius Polk McGehee, A.B., Dean of the School of Law.
Isaac Hall Manning, M.D., Dean of the School of Medicine.
Edward Vernon Howell, A.B., Ph.G., Dean of the School of Pharmacy.
Howard Washington Odum, Ph.D., Director of the School of Public Welfare.
Mrs. Marvin Hendrix Stacy, Adviser to Women.

THE LIBRARY

Louis Round Wilson, Ph.D., Librarian.
Charles Melville Baker, A.M., B.L.S., Assistant Librarian.
Cornelia Spencer Love, A.B., B.L.S., In charge of Orders and Accessions.
Rachel Agnes Harris, Ph.M., B.L.S., Cataloger.
Mary Lindsay Thornton, In charge of the North Carolina Collection.
Alma Irene Stone, A.B., In charge of Periodicals and Bindings.
Nell Blair, In charge of Circulation.

*Temporarily relieved of administrative duties.

Ione Lewith Markham, Secretary to the Librarian.
Wilbur White Stout, A.B., Student Assistant.
Edwin Clyde Hunt, Student Assistant.
Roy Eugene Brown, Student Assistant.
Robert Franklin Marshburn, Student Assistant.
Joseph Von Wilson, Student Assistant.
Chalmers Benjamin Yarley, Student Assistant.

THE SUMMER SCHOOL

Nathan Wilson Walker, A.M., Director.

THE EXTENSION DIVISION

Chester DeForest Snell, B.H., B.S., Director.
Edgar Ralph Rankin, A.M., Associate Director.

THE GYMNASIUM

Robert Baker Lawson, M.D., Director.
Carl Sylvester Coffey, Assistant in the Gymnasium.
Frederick Mast Dula, Assistant in the Gymnasium.

THE INFIRMARY

Eric Alonzo Abernethy, M.D., University Physician.
Flora M. Rice, R.N., Head Nurse.
Edna Gray Womack, R.N., Assistant Nurse.

YOUNG MEN'S CHRISTIAN ASSOCIATION

Harry Fulcher Comer, B. S., General Secretary.

OFFICERS OF INSTRUCTION

Harry Woodburn Chase, Ph.D., LL.D., President.

A. B. Dartmouth College, 1904; A. M., *ibid*, 1908; Director of the Clinic for Subnormal Children, Clark University, 1909-1910; Ph.D., *ibid.*, 1910; Professor of Psychology, University of North Carolina, 1910-1919; Acting Dean of the College of Liberal Arts, *ibid.*, October, 1918-January, 1919; Chairman of the Faculty, *ibid.*, January, 1919-June, 1919; President, *ibid.*, 1919—; LL.D., Lenoir College (N. C.), 1920; LL.D., Wake Forest College, 1920.

Francis Preston Venable, Ph.D., D.Sc., LL.D., Kenan Professor of Chemistry

Student, University of Virginia, 1874-1879; University of Bonn, 1879-1880; A.M., Ph.D., University of Goettingen, 1881; Student, University of Berlin, 1889; LL.D., University of Pennsylvania, 1901; D.Sc., Lafayette College, 1902; LL.D., University of South Carolina, 1905; LL.D., University of Alabama, 1906; LL.D., Jefferson Medical College, 1913; Professor of Chemistry, University of North Carolina, 1880-1918; President, *ibid.*, 1900-1914; Kenan Professor of Chemistry, *ibid.*, 1918—.

Walter Dallam Toy, M.A., Professor of the Germanic Languages and Literatures.

M.A., University of Virginia, 1882; Student, University of Leipzig, 1882-1883; University of Berlin, 1883-1885; College de France, 1885; Professor of the Germanic Languages and Literatures, University of North Carolina, 1885—; Student, University of Berlin, 1910-1911.

William Cain, A.M., LL.D., D.Sc., Kenan Professor Emeritus of Mathematics.

A.M., North Carolina Military Polytechnic Institute, 1866; Professor of Mathematics and Engineering, Carolina Military Institute, 1874-1879; Professor of Mathematics and Engineering, South Carolina Military Academy, 1882-1889; Professor of Mathematics, University of North Carolina, 1889-1918; Kenan Professor of Mathematics, *ibid.*, 1918-1920; LL.D., The University of South Carolina, 1916; Kenan Professor Emeritus of Mathematics, University of North Carolina, 1920—, D.Sc., *ibid*, 1921.

Henry Horace Williams, A.M., B.D., Kenan Professor of Philosophy.

A.B., A.M., University of North Carolina, 1883; Professor of Greek and German, Trinity College (N. C.), 1885; B.D., Yale University, 1888; Fellow, Harvard University, 1889; Professor of Philosophy, University of North Carolina, 1890-1920; Kenan Professor of Philosophy, *ibid.*, 1920—.

Henry Van Peters Wilson, Ph.D., Kenan Professor of Zoology.

A.B., Johns Hopkins University, 1883; Fellow, *ibid.*, 1887-1889; Ph.D., *ibid.*, 1888; Professor of Biology, University of North Carolina, 1891-1904; Student, University of Berlin, 1902-1903; Professor of Zoology, University of North Carolina, 1904-1918; Kenan Professor of Zoology, *ibid.*, 1918—.

Collier Cobb, A.M., D.Sc., Professor of Geology and Mineralogy.

A. B., Harvard University, 1889; A.M., *ibid.*, 1894; Assistant in Geology, *ibid.*, 1888-1890; Instructor in Geology, Massachusetts Institute of Technology, 1890-1892; Instructor in Geology, Harvard Summer School, 1891; Assistant Professor of Geology, University of North Carolina, 1892-1893; Professor of Geology and Mineralogy, *ibid.*, 1893—; D.Sc., Wake Forest College, 1917.

Charles Staples Mangum, A.B., M.D., Professor of Anatomy.

A.B., University of North Carolina, 1891; M.D., Jefferson Medical College, 1894; Assistant and Demonstrator, *ibid.*, 1894-1895; Graduate Student, University of Chicago, 1906; Professor of Anatomy, University of North Carolina, 1896—; Student, Harvard University, 1912-1913.

Edward Vernon Howell, A.B., Ph.G., Professor of Pharmacy and Dean of the School of Pharmacy.

A.B., Wake Forest College, 1892; Ph.G., Philadelphia College of Pharmacy, 1894; Professor of Pharmacy and Dean of the School of Pharmacy, University of North Carolina, 1897—.

Marcus Cicero Stephens Noble, Professor of Pedagogy and Dean of the School of Education.

Student, Davidson College and University of North Carolina; Commandant, Bingham School, 1880-1883; Superintendent of Schools, Wilmington, N. C., 1883-1898; Professor of Pedagogy, University of North Carolina, 1898—; Dean of the School of Education, *ibid.*, 1913—.

ISAAC HALL MANNING, M.D., Professor of Physiology and Dean of the School of Medicine.

Student, University of North Carolina, 1882-1886; Assistant in Chemistry, *ibid.*, 1886; M.D., Long Island College of Medicine, 1897; Graduate Student, University of Chicago, 1901, 1903; Harvard University, 1902, 1906; Professor of Physiology, University of North Carolina, 1901—; Dean of the School of Medicine, *ibid.*, 1905—.

GEORGE HOWE, Ph.D., Professor of the Latin Language and Literature and Dean of the College of Liberal Arts.

A.B., Princeton University, 1897; A.M., Ph.D., University of Halle, 1903; Student, Oxford University, 1903; Professor of the Latin Language and Literature, University of North Carolina, 1903—; Student, American School of Classical Studies at Rome, 1912-1913; Dean of the College of Liberal Arts, University of North Carolina, 1919—.

JOSEPH HYDE PRATT, Ph.D., Professor of Economic Geology.

Ph.B., Yale University, 1893; Assistant in Chemistry, *ibid.*, 1894; Assistant in Mining, *ibid.*, 1895; Instructor in Mining, Harvard Summer School, 1895; Ph.D., Yale University, 1896; Instructor in Mineralogy, *ibid.*, 1896-1897; Lecturer on Economic Geology, University of North Carolina, 1899-1904; Professor of Economic Geology, *ibid.*, 1904—; State Mineralogist, 1897-1906; State Geologist, 1906—.

NATHAN WILSON WALKER, A.B., Ed.M., Professor of Secondary Education, Director of the Summer School, and Acting Dean of the School of Education.

A.B., University of North Carolina, 1903; Superintendent of Schools, Ashboro, N. C., 1903-1905; State Inspector of Public High Schools, 1905-1920; Ed.M., Harvard University, 1921; Professor of Secondary Education, University of North Carolina, 1905—.

WILLIAM DEBERNIERE MACNIDER, M.D., Kenan Professor of Pharmacology.

Assistant in Biology, University of North Carolina, 1899-1900; Assistant in Anatomy, *ibid.*, 1900-1901; M.D., *ibid.*, 1903; Student, University of Chicago, 1906, 1907, 1908; Professor of Pharmacology, University of North Carolina, 1905-1918; Kenan Professor of Pharmacology, *ibid.*, 1918—.

William Chambers Coker, Ph.D., Kenan Professor of Botany.

B.S., University of South Carolina, 1894; Ph.D., Johns Hopkins University, 1901; Student, University of Bonn, 1901-1902; Associate Professor of Botany, University of North Carolina, 1902-1908; Professor of Botany, *ibid.*, 1908-1920; Kenan Professor of Botany, *ibid.*, 1920—.

Archibald Henderson, Ph.D., D.C.L., Professor of Mathematics.

A.B., University of North Carolina, 1898; A.M., *ibid.*, 1899; Instructor in Mathematics, *ibid.*, 1898-1902; Student University of Chicago, 1901; Ph.D., University of North Carolina, 1902; Fellow and Tutor in Mathematics, University College and University of Chicago, 1902-1903; Associate Professor of Mathematics, University of North Carolina, 1902-1908; Professor of Pure Mathematics, *ibid.*, 1908-1921; Professor of Mathematics, *ibid.*, 1921—; Student, Cambridge University, University of Berlin, the Sorbonne, 1910-1911; Ph.D., University of Chicago, 1915; D.C.L., The University of the South, 1917.

Joseph Gregoire de Roulhac Hamilton, Ph.D., Kenan Professor of History and Government.

M.A., University of the South, 1900; Ph.D., Columbia University, 1906; Associate Professor of History, University of North Carolina, 1906-1908; Alumni Professor of History, *ibid.*, 1908-1920; Kenan Professor of History and Government, *ibid.*, 1920—.

Andrew Henry Patterson, A.M., Professor of Physics and Dean of the School of Applied Science.

Ph.B., B.E., University of North Carolina, 1891; A.B., Harvard University, 1892; A.M., *ibid.*, 1893; Instructor in Physics, University of Georgia, 1894-1897; Adjunct Professor of Physics and Electrical Engineering, *ibid.*, 1897-1898; Professor of Physics and Astronomy, *ibid.*, 1898-1908; Student, University of Berlin and Charlottenburg Technische Hochschule, 1905-1906; Student, Cambridge University, 1906; Professor of Physics, University of North Carolina, 1908—; Dean of the School of Applied Science, *ibid.*, 1911—.

*HENRY MCGILBERT WAGSTAFF, Ph.D., Professor of History.
Ph.B., University of North Carolina, 1899; Professor of Mathematics, Rutherford College (N. C.), 1900-1902; Ph.D., Johns Hopkins University, 1906; Acting Professor of Economics and History, Alleghany College, 1906-1907; Associate Professor of History, University of North Carolina, 1907-1909; Professor of History, *ibid.*, 1909—.

PATRICK HENRY WINSTON, Professor of Law.
Student, University of Texas, 1897-1898; University of North Carolina, 1899-1900; Graduate, United States Military Academy, 1905; Student, University of North Carolina School of Law, 1905; Professor of Law, *ibid.*, 1909—; Student, University of Michigan, 1910.

WILLIAM MORTON DEY, Ph.D., Professor of the Romance Languages and Literatures.
B.A., M.A., University of Virginia, 1902; Student in Paris, 1903; A.M., Harvard University, 1904; Austin Teaching Fellow, *ibid.*, 1905-1906; Ph.D., *ibid.*, 1906; Student in Spain and Italy, 1906; Assistant Professor of Romance Languages, University of Missouri, 1906-1909; Student at the Sorbonne and Collège de France, 1920-1921; Professor of Romance Languages, University of North Carolina, 1909—.

LUCIUS POLK MCGEHEE, A.B., Professor of Law and Dean of the School of Law.
A.B., University of North Carolina, 1887; Student, School of Law, *ibid.*, 1890-1891; Professor of Law, *ibid.*, 1904—; Dean of the School of Law, *ibid.*, 1910—.

ATWELL CAMPBELL MCINTOSH, A.M., Professor of Law.
A.B., Davidson College, 1881; A.M., *ibid.*, 1887; Professor of Law, Trinity College (N. C.), 1904-1910; Professor of Law, University of North Carolina, 1910—.

ALVIN SAWYER WHEELER, Ph.D., Professor of Organic Chemistry.
A.B., Beloit College, 1890; Student, University of Chicago, 1895; Student, Cornell University, 1897; A.M., Harvard University, 1897; Assistant in Chemistry, *ibid.*, 1897-1900; Ph.D., *ibid.*, 1900; Associate Professor of Chemistry, University of North Carolina, 1900-1912; Professor of Organic Chemistry, *ibid.*, 1912—; Student, University of Berlin, University of Bonn, Swiss Federal Polytechnic, 1910-1911.

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*Absent on leave 1921-1922 on the Kenan Foundation.

Louis Round Wilson, Ph.D., Kenan Professor of Library Administration.

A.B., University of North Carolina, 1899; Librarian, *ibid.*, 1901—; A.M., *ibid.*, 1902; Ph.D., *ibid.*, 1905; Associate Professor of Library Administration, *ibid.*, 1908-1912; Student, Columbia University, 1910; Professor of Library Administration, University of North Carolina, 1912-1920; Director of the Bureau of Extension, *ibid.*, 1914-1921; Kenan Professor of Library Administration, *ibid.*, 1920—.

Parker Hayward Daggett, S.B., Professor of Electrical Engineering.

Assistant in Electrical Engineering, Harvard University, 1908-1909; S.B., *ibid.*, 1910; Acting Professor of Electrical Engineering, University of North Carolina, 1910; Associate Professor of Electrical Engineering, *ibid.*, 1910-1913; Professor of Electrical Engineering, *ibid.*, 1913—; Acting Dean of the School of Applied Science, *ibid.*, 1915-1916.

James Munsie Bell, Ph.D., Smith Professor of Chemistry.

B.A., University of Toronto, 1902; M.A., *ibid.*, 1905; Assistant in Chemistry, Cornell University, 1902-1903; Graduate Scholar in Chemistry, *ibid.*, 1903-1904; Sage Fellow in Chemistry, *ibid.*, 1904-1905; Ph.D., *ibid.*, 1905; Associate Professor of Physical Chemistry, University of North Carolina, 1910-1913; Professor of Physical Chemistry, *ibid.*, 1913-1919; Smith Professor of Chemistry, *ibid.*, 1919—.

Edwin Greenlaw, Ph.D., Kenan Professor of English and Dean of the Graduate School.

A.B., Northwestern University, 1897; A.M., *ibid.*, 1898; A.M., Harvard University, 1903; Ph.D., *ibid.*, 1904; Instructor in English, Northwestern University, 1898-1902, 1904-1905; Instructor in English, University of Chicago, 1904-1907; Professor of English, Adelphi College, 1905-1913; Professor of English, University of North Carolina, 1913-1918; Kenan Professor of English, *ibid.*, 1918—; Dean of the Graduate School, *ibid.*, 1920—.

Lester Alonzo Williams, A.M., Ph.D., Professor of School Administration.

A.B., Dartmouth College, 1903; A.M., New York University, 1909; Pd.D., *ibid.*, 1912; Supervisor of Schools and Principal of High Schools in Massachusetts and New Hampshire, 1903-1912; Super-

vising Principal, Leonia, N. J., 1913; Lecturer, Brooklyn Institute of Arts and Sciences, 1913; Professor of School Administration, University of North Carolina, 1913—.

JAMES BELL BULLITT, A.M., M.D., Professor of Pathology.

A.B., Washington and Lee University, 1894; A.M., *ibid.*, 1895; M.D., University of Virginia, 1897; Demonstrator of Anatomy, *ibid.*, 1898-1903; Professor of Anatomy and Pathology, University of Mississippi, 1903-1913; Professor of Histology and Pathology, University of North Carolina, 1913-1920; Professor of Pathology, *ibid.*, 1920—.

THOMAS JAMES WILSON, JR., Ph.D., Registrar.

A.B., University of North Carolina, 1894; A.M., *ibid.*, 1896; Ph.D., *ibid.*, 1898; Instructor in Latin and Greek, *ibid.*, 1899-1901; Instructor in Latin, *ibid.*, 1901-1902; Student, University of Chicago, 1903, 1906; Associate Professor of Latin, University of North Carolina, 1902-1915; Registrar, *ibid.*, 1908—.

EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., Kenan Professor of Rural Social Economics.

A.M., Trinity College (N. C.), 1894; A.M., Peabody Normal College (Tenn.), 1899; President, Georgia State Normal School, 1900-1912; Professor of Rural Economics and Sociology, *ibid.*, 1912-1914; Professor of Rural Economics and Sociology, University of North Carolina, 1914-1919; Kenan Professor of Rural Economics and Sociology, *ibid.*, 1919-1920; Kenan Professor of Rural Social Economics, *ibid.*, 1920—; Litt.D., University of Georgia, 1919.

DUDLEY DEWITT CARROLL, M.A., Professor of Economics and Dean of the School of Commerce.

A.B., Guilford College, 1907; A.B., Haverford College, 1908; M.A., Columbia University, 1915; Professor of History and Economics, Guilford College, 1909-1914; Assistant Professor of Economics, Hunter College, 1916-1918; Professor of Economics, University of North Carolina, 1918—; Acting Dean of the School of Commerce, *ibid.*, 1919-1920; Dean of the School of Commerce, *ibid.*, 1920.

FREDERICK HENRY KOCH, A.M., Professor of Dramatic Literature.

A.B., Ohio Wesleyan University, 1900; A.M., Harvard University, 1909; Instructor in English, University of North Dakota, 1905-

1906; Assistant Professor of English, *ibid.*, 1907-1909; Associate Professor of Dramatic Literature, *ibid.*, 1909-1917; Professor of Dramatic Literature, *ibid.*, 1917-1918; Visiting Professor, University of California, Summer Session, 1910; Exchange Professor, University of Manitoba, 1918; Professor of Dramatic Literature, University of North Carolina, 1918—.

John Harris Mustard, B.S. in E.E., Professor of Electrical Engineering.

B.S. in E.E., University of Michigan, 1904; Assistant in Electro-Therapeutics, University of Michigan, 1903-1904; in charge of instruction of graduate students in engineering, Westinghouse Electric and Manufacturing Company, 1909-1918; Professor of Electrical Engineering, University of North Carolina, 1918—.

John Emery Lear, E.E., Professor of Engineering Sciences.

B.S. in E.E., Virginia Polytechnic Institute, 1901; Student, Cornell University, 1901-1902; Instructor in Physics and Electrical Engineering, Texas Agricultural and Mechanical College, 1905-1907; Assistant Professor of Electrical Engineering, *ibid.*, 1907-1909; E.E., *ibid.*, 1909; Associate Professor of Electrical Engineering, *ibid.*, 1909-1913; Professor of Physics, Norwich University, 1913-1914; Professor of Electrical Engineering, *ibid.*, 1913-1917; Professor of Engineering Sciences, University of North Carolina, 1918—.

Norman Foerster, A.M., Professor of English.

A.B., Harvard University, 1910; Instructor in English, Harvard Summer School, 1910, 1913; Student, Harvard University, 1910-1911; Instructor in English, University of Wisconsin, 1911-1914; A.M., *ibid.*, 1912; Associate Professor of English, University of North Carolina, 1914-1919; Student Oxford University, 1920-1921; Professor of English, *ibid.*, 1919—.

John Grover Beard, Ph.G., Professor of Pharmacy.

Assistant in Pharmacy, University of North Carolina, 1908-1909; Ph.G., *ibid.*, 1909; Instructor in Pharmacy, *ibid.*, 1909-1914; Assistant Professor of Pharmacy, *ibid.*, 1914-1917; Associate Professor of Pharmacy, *ibid.*, 1917-1919; Professor of Pharmacy, *ibid.*, 1919—.

Edgar Wallace Knight, Ph.D., Professor of Rural Education.

A.B., Trinity College (N. C.), 1909; A.M., *ibid.*, 1911; Master in

History, Trinity Park School, 1909-1911; Fellow in Education, Columbia University, 1912-1913; Ph.D., *ibid.*, 1913; Assistant Professor of Education, Trinity College (N. C.), 1913-1916; Professor of Education, *ibid.*, 1916-1917; Superintendent of Wake County Schools, 1917-1918; Professor of Rural Education, University of North Carolina, 1919—.

PAUL JOHN WEAVER, B.A., A.A.G.O., Professor of Music.

B.A., University of Wisconsin, 1911; Graduate Student, *ibid.*, 1913-1915; Director of Music, Racine College, 1911-1912; Supervisor Public School Music,, Madison, Wis., 1915; Supervisor Public School Music, St. Louis, Mo., 1916-1919; A.A.G.O., University of New York, 1918; Instructor in Harmony, American Institute Normal Methods, Northwestern University Summer School, 1919; Professor of Music, University of North Carolina, 1919—.

WILLIAM FREDERICK PROUTY, Ph.D., Professor of Stratigraphic Geology.

B.S., Syracuse University, 1903; M.S., *ibid.*, 1904; Ph.D., Johns Hopkins University, 1906; Associate Professor of Geology, University of Alabama, 1906-1912; Professor of Geology, *ibid.*, 1912-1919; Chief Assistant, Alabama Geological Survey, 1906-1919; Professor of Stratigraphic Geology, University of North Carolina, 1919—.

HOWARD WASHINGTON ODUM, Ph.D., Kenan Professor of Sociology and Director of the School of Public Welfare.

A.B., Emory College, 1904; Co-Principal, Toccopola School (Miss.), 1904-1905; A.M., University of Mississippi, 1906; Instructor, *ibid.*, 1905-1908; Ph.D., Clark University, 1909; Ph.D., Columbia University, 1910; Research Expert, Philadelphia Bureau of Municipal Research, 1910-1913; Associate Professor of Educational Sociology, University of Georgia, 1913-1915; Professor of Educational Sociology and Rural Education, *ibid.*, 1915-1919; Superintendent of the University Summer School for Teachers, *ibid.*, 1916-1919; Director of Bureau of Home Service, American Red Cross, Southern Division, 1918; Professor of Educational Sociology and Dean of the School of Liberal Arts, Emory University, 1919-1920; Kenan Professor of Sociology and Director of the School of Public Welfare, University of North Carolina, 1920—.

WILLIAM STANLEY BERNARD, A.M., Professor of Greek.

Student, Episcopal Theological Seminary (Va.), 1893-1895; A.B.,

University of North Carolina, 1900; Librarian, *ibid.*, 1900-1901; Instructor in Greek, *ibid.*, 1901-1906; A.M., *ibid.*, 1904; Associate Professor of Greek, *ibid.*, 1906-1920; Student, University of Chicago, 1906; Columbia University, 1909, 1910, 1911; Professor of Greek, University of North Carolina, 1920—.

John Manning Booker, Ph.D., Professor of English.
A.B., Johns Hopkins University, 1901; Student, *ibid.*, 1901-1903; 1905-1909; Student, University of Munich, 1904-1905; Student, University of Heidelberg, 1903-1904, 1905, 1909, 1910, 1911; Ph.D., *ibid.*, 1912; Associate Professor of English, University of North Carolina, 1909-1920; Professor of English, *ibid.*, 1920—.

Oliver Towles, Ph.D., Professor of French.
A.B., University of Virginia, 1906; Student, Johns Hopkins University, 1906-1909; Student in France, 1908; Ph.D., Johns Hopkins University, 1912; Associate Professor of Romance Languages, University of North Carolina, 1909-1920; Professor of French, *ibid.* 1920—.

Thomas Felix Hickerson, A.M., S.B., Professor of Civil Engineering.
Ph.B., University of North Carolina, 1904; Instructor in Mathematics. *ibid.*, 1905-1908; A.M., *ibid.*, 1907; S.B., Massachusetts Institute of Technology, 1909; Student, Columbia University, 1911; Associate Professor of Civil Engineering, University of North Carolina, 1910-1920; Professor of Civil Engineering, *ibid.*, 1920—.

William Whatley Pierson, Jr., Ph.D., Professor of History and Government.
A.B., University of Alabama, 1910; Teaching Fellow in English, *ibid.*, 1910-1911; A.M., *ibid.*, 1911; A.M., Columbia University, 1912; Graduate Student, *ibid.*, 1911-1913; Assistant in History, *ibid.*, 1913-1914; Instructor in History, *ibid.*, 1914-1915; Ph.D., *ibid.*, 1916; Instructor in History, University of North Carolina, 1915-1917; Assistant Professor of History, *ibid.*, 1917-1918; Associate Professor of History, *ibid.*, 1918-1920; Professor of History and Government, *ibid.*, 1920—.

John Frederick Dashiell, Ph.D., Professor of Psychology.
B.S., Moores Hill College, 1908; B.L., *ibid.*, 1909; A.M., Columbia University, 1910; Assistant in Philosophy, *ibid.*, 1910-1913; Ph.D.,

ibid., 1913; Professor of Education, Waynesburg College, 1913-1914; Instructor in Philosophy, Princeton University, 1914-1915; Instructor in Philosophy, University of Minnesota, 1915-1916; Instructor in Psychology, *ibid.*, 1916-1917; Assistant Professor of Psychology, Oberlin College, 1917-1919; Associate Professor of Psychology, University of North Carolina, 1919-1920; Professor of Psychology, *ibid.*, 1920—.

JESSE FREDERICK STEINER, Ph.D., Professor of Social Technology.

A.B., Heidelberg University (Ohio), 1901; Student, Heidelberg Theological Seminary (Ohio), 1902-1905; Professor of English Literature, North Japan College (Japan), 1905-1912; A.M., Harvard University, 1913; Ph.D., University of Chicago, 1915; Special Instructor in Practical Sociology, *ibid.*, 1915; Lecturer on Missions, McCormick Theological Seminary, 1916; Assistant Professor of Social Science, University of Cincinnati, 1917-1918; Director Educational Service, American National Red Cross, 1918-1920; Professor of Social Technology, University of North Carolina. 1920—.

STURGIS ELLENO LEAVITT, Ph.D., Professor of Spanish.

A.B., Bowdoin College, 1908; Student in France, 1911; Student, Harvard University, 1912-1913; A.M., *ibid.*, 1913; Instructor in Romance Languages, Northwestern University, 1913-1914; Instructor in Romance Languages, Harvard University, 1915-1917; Ph.D., *ibid.*, 1917; Assistant Professor of Romance Languages, University of North Carolina, 1917-1918; Associate Professor of Romance Languages, *ibid.*, 1918-1920; Sheldon Travelling Fellow (Harvard), in Peru, Bolivia, Chile, Argentina and Uruguay, 1919-1920; Associate Professor of Spanish, University of North Carolina, 1920-1921; Professor of Spanish, *ibid.*, 1921—.

JAMES FINCH ROYSTER, Ph.D., Kenan Professor of English Philology.

A.B., Wake Forest College, 1900; Student, University of Berlin, 1902-1903; Instructor in English, University of Colorado, 1904-1905; Associate in English, University of Chicago, 1905-1907; Ph.D., *ibid.*, 1907; Associate Professor of English, University of North Carolina, 1907-1909; Professor of English, *ibid.*, 1909-1914; Professor of English, University of Texas, 1914-1921; Kenan Professor of English Philology, University of North Carolina, 1921—.

Robert Diggs Wimberly Connor, Ph.B., Kenan Professor of History and Government.
Ph.B., University of North Carolina, 1899; Secretary N. C. Historical Commission, 1903-1921; Student, Columbia University, 1920-1921; Kenan Professor of History and Government, University of North Carolina, 1921—.

Gustave Maurice Braune, C.E., Professor of Civil Engineering.
B.S., Spring Hill College, 1888; Student, Washington and Lee University, 1888-1889; Student, Royal Polytechnical Institute, Dresden, Saxony, 1890-1895; C.E. (Dipl. Ing.), *ibid.*, 1895; Professional practise, 1895-1912; Assistant Professor of Civil Engineering, University of Cincinnati, 1912-1914; Associate Professor of Civil Engineering, *ibid.*, 1914-1918; Professor of Civil Engineering, *ibid.*, 1918-1921; Professor of Civil Engineering, University of North Carolina, 1921—.

Louis Graves, A.B., Professor of Journalism.
A.B., University of North Carolina, 1902; Member of Staff of *New York Times*, 1903-1906; Professor of Journalism, University of North Carolina, 1921—.

Thornton Shirley Graves, Ph.D., Professor of English.
A.B., Texas Christian University, 1906; Ph.B., University of Chicago, 1907; Assistant Professor of English, Texas Christian University, 1908-1909; Ph.D., University of Chicago, 1912; Instructor in English, University of Washington, 1912-1913; Assistant Professor of English Trinity College (N. C.), 1913-1916; Professor of English, *ibid.*, 1916-1921; Professor of English, University of North Carolina, 1921—.

Francis Foster Bradshaw, A.B., Dean of Students.
A.B., University of North Carolina, 1916; Dean of Students, *ibid.*, 1920—.

Robert Baker Lawson, M.D., Associate Professor of Anatomy.
Student, University of North Carolina, 1898-1900; M.D., University of Maryland, 1902; Instructor in Anatomy, University of North Carolina, 1905-1906; Demonstrator in Anatomy, *ibid.*, 1906-1908; Associate Professor of Anatomy, *ibid.*, 1908—.

George McFarland McKie, A.M., Associate Professor of Public Speaking.
Graduate, Emerson College of Oratory, 1898; A.B., A.M., Uni-

versity of North Carolina, 1907; Student, Harvard University, 1907-1908; Instructor in English, University of North Carolina, 1899-1908; Associate Professor of Public Speaking, *ibid.*, 1908—.

KENT JAMES BROWN, Ph.D., Associate Professor of German.
A.B., Dickinson College, 1901; Ph.D., University of Pennsylvania, 1905; Student, University of Berlin, 1904-1905; Student, University of Munich, 1909-1911; Assistant in German, University of Pennsylvania, 1902-1904; Instructor in German, State University of Iowa, 1911-1912; Associate Professor of German, University of North Carolina, 1912—.

JAMES TALMAGE DOBBINS, Ph.D., Associate Professor of Chemistry.
A.B., University of North Carolina, 1911; A.M., *ibid.*, 1912; Ph.D., *ibid.*, 1914; Instructor in Chemistry, North Carolina State College of Agriculture and Engineering, 1914-1918; Associate Professor of Chemistry, University of North Carolina, 1918—.

THORNDIKE SAVILLE, A.B., C.E., Associate Professor of Hydraulic and Sanitary Engineering.
A.B., Harvard University, 1914; B.S., Dartmouth College, 1914; C.E., *ibid.*, 1915; M.S., Harvard University, 1917; M.S., Mass. Inst. Technology, 1917; Field Assistant in Surveying, Dartmouth College, Summers of 1914, 1915, 1916; Assistant in Physics, Dartmouth College, 1914-1915; Assistant in Geology, Harvard University, 1915-1917; Assistant in Sanitary Engineering, *ibid.*, 1916-1917; Associate Professor of Hydraulic and Sanitary Engineering, University of North Carolina, 1919—.

HENRY MCCUNE DARGAN, Ph.D., Associate Professor of English.
A.B., Mercer University, 1910; Student, University of California, 1910-1911; Student, University of Chicago, 1911; A.M., Harvard University, 1912; Ph.D., *ibid.*, 1914; Instructor in English, University of North Carolina, 1914-1917; Assistant Professor of English, *ibid.*, 1917-1920; Associate Professor of English, *ibid.*, 1920—.

JOHN WAYNE LASLEY, JR., Ph.D., Associate Professor of Pure Mathematics.
A.B., University of North Carolina, 1910; Fellow in Mathematics, *ibid.*, 1910-1911; A.M., *ibid.*, 1911; Instructor in Mathematics, *ibid.*, 1911-1915, 1916-1918; Student, Johns Hopkins University, 1915-1916; Fellow by Courtesy in Mathematics, *ibid.*, 1915-1916;

Assistant Professor of Mathematics, University of North Carolina, 1918-1920; Student University of Chicago, 1917, 1918-1919, 1919-1920; Fellow in Mathematics, *ibid.*, 1919-20; Ph.D., *ibid.*, 1920; Associate Professor of Mathematics, University of North Carolina, 1920-1921; Associate Professor of Pure Mathematics, *ibid.*, 1921—.

Allan Wilson Hobbs, Ph.D., Associate Professor of Applied Mathematics.

A.B., Guilford College, 1907; A.B., Haverford College, 1908; Instructor in Mathematics, Guilford College, 1909-1911; Professor of Mathematics, *ibid.*, 1913-1915; Ph.D., Johns Hopkins University, 1917; Instructor in Mathematics, University of North Carolina, 1917-1919; Assistant Professor of Mathematics, *ibid.*, 1919-1920; Associate Professor of Mathematics, *ibid.*, 1920-1921; Associate Professor of Applied Mathematics, *ibid.*, 1921—.

Walter Jeffries Matherly, M.A., Associate Professor of Business Administration.

B.A., William Jewell College, 1915; M.A., Washington University, 1916; Fellow in Economics, University of Minnesota, 1916-1917; Assistant in Political Economy, University of Chicago, 1917-1918; Professor of Economics, University of Kentucky, Summer Session, 1919; Professor of Economics, Georgetown College (Ky.), February, 1919, to June, 1920; Associate Professor of Business Administration, University of North Carolina, 1920—.

Wesley Critz George, Ph.D., Associate Professor of Histology and Embryology.

A.B., University of North Carolina, 1911; A.M., *ibid.*, 1912; Instructor in Zoology, *ibid.*, 1912-1916; Professor of Biology, Guilford College, 1916-1917; Hinton Mann Fellow, Princeton University, 1917-1918; Ph.D., University of North Carolina, 1918; Adjunct Professor of Zoology, University of Georgia, 1919; Associate Professor of Histology and Embryology, University of Tennessee College of Medicine, 1919-1920; Associate Professor of Histology and Embryology, University of North Carolina, 1920—.

Erle Ewart Peacock, M.B.A., Associate Professor of Accounting.

A.B., University of Georgia, 1914; M.B.A., Harvard University,

1916; Graduate Student, University of Chicago, 1916; Graduate Student, Columbia University, 1917; Adjunct Professor of Accounting and Industry, University of Georgia, 1916-1918; Associate Professor of Accounting, University of North Carolina, 1920—.

OTTO STUHLMAN, JR., Ph.D., Associate Professor of Physics.
Assistant in Physics, University of Cincinnati, 1905-1907; B.A., *ibid.*, 1907; Assistant Instructor in Physics, University of Illinois, 1907-1909; M.A., *ibid.*, 1909; Experimental Science Fellow, Princeton University, 1909-1911; Ph.D., *ibid.*, 1911; Instructor in Physics, Stevens Institute of Technology, 1911-1912; Instructor in Physics, University of Pennsylvania, 1912-1918; Assistant Professor of Physics, State University of Iowa, 1918-1919; Assistant Professor of Physics, West Virginia University, 1919-1920; Associate Professor of Physics, University of North Carolina, 1920—.

GUSTAVE ADOLPHUS HARRER, Ph.D., Associate Professor of Latin.
A.B., Princeton University, 1910; Ph.D., *ibid.*, 1913; Instructor in Classics, *ibid.*, 1913-1915; Instructor in Latin, University of North Carolina, 1915-1918; Assistant Professor of Latin, *ibid.*, 1918-1921; Associate Professor of Latin, *ibid.*, 1921—.

FRANK PORTER GRAHAM, M.A., Associate Professor of History.
A.B., University of North Carolina, 1909; Student of Law, *ibid.*, 1909-1910, 1912-1913; A.M., Columbia University, 1916; Instructor in History, University of North Carolina, 1914-1919; Dean of Students, *ibid.*, 1919-1920; Assistant Professor of History, *ibid.*, 1919-1921; Associate Professor of History, *ibid.*, 1921—.

CLARENCE ADDISON HIBBARD, M.A., Associate Professor of English.
B.A., University of Wisconsin, 1909; Instructor in English, Government Middle Schools, Kagoshima, Japan, 1909-1911; Professor of English Language, Imperial College of Commerce, Nagasaki, Japan, 1911-1914; Graduate Student, University of Wisconsin, 1916-1917; Assistant in English, *ibid.*, 1916-1917; Assistant Professor of English, Miami University, 1917-1918; M.A., University of Wisconsin, 1919; Assistant Professor of English, University of North Carolina, 1919-1921; Associate Professor of English, *ibid.*, 1921—.

Charles Melville Baker, A.M., B.L.S., Associate Professor of Library Administration.

A.B., Harvard University, 1910; A.M., *ibid.*, 1911; Instructor in English, Syracuse University, 1913-1915; B.L.S., New York State Library School, 1918; Assistant Professor of Library Administration, University of North Carolina, 1919-1921; Associate Professor of Library Administration, *ibid.*, 1921—.

Claudius Temple Murchison, Ph.D., Associate Professor of Applied Economics.

A.B., Wake Forest College, 1911; Student, Columbia University, 1913-1916; Assistant Professor of Social Science, Miami University, 1916-1918; Ph.D., Columbia University, 1919; Assistant Professor of Economics, Hunter College, 1918-1920; Assistant Professor of Economics, New York University, 1920-1921; Associate Professor of Applied Economics, University of North Carolina, 1921—.

Frank Carl Vilbrandt, Ph.D., Associate Professor of Industrial Chemistry.

Assistant in General Chemistry, Ohio State University, 1913-1915; A.B., *ibid.*, 1915; Graduate Assistant in General Chemistry, *ibid.*, 1915-1916, 1917-1918; Instructor in Industrial Chemistry, *ibid.*, 1918-1921; M. A., *ibid.*, 1916; Ph.D., *ibid.*, 1919; Associate Professor of Industrial Chemistry, University of North Carolina, 1921—.

Maurice Taylor Van Hecke, Ph.B., J.D., Associate Professor at Law.

Student, Beloit College, 1911-1913; Ph.B., University of Chicago, 1916; J.D., *ibid.*, 1917; Assistant Professor of Law, West Virginia University, 1920-1921; Associate Professor of Law, University of North Carolina, 1921—.

Horace Brockman Anderson, A.B., M.D., Associate Professor of Pathology.

A.B., Wofford College, 1911; M.D., Jefferson Medical College, 1917; Demonstrator of Morbid Anatomy, *ibid.*, 1918-1920; Associate Professor of Pathology, University of North Carolina, 1921—.

Harold Diedrich Meyer, A. M., Associate Professor of Sociology.

A.B., University of Georgia, 1912; A.M., *ibid.*, 1916; Professor of

Rural Sociology and Economics, Georgia State Normal School, 1916-1921; Associate Professor of Sociology and Supervisor of Field Work, University of North Carolina, 1921—.

HOMER HOYT, A.M., J.D., Associate Professor of Economics.
A.B., University of Kansas, 1913; A.M., *ibid.*, 1913; Instructor in Economics, Beloit College, 1917-1918; J.D., University of Chicago, 1918; Student, George Washington University Law School, 1918-1919; Professor of Economics, Delaware College, 1919-1920; Instructor in Columbia University Extension School, 1920-1921; Instructor in Economics, New York University Extension School, 1920-1921; Associate Professor of Economics, University of North Carolina, 1921—.

HAROLD FREDERICK JANDA, C.E., Associate Professor of Highway Engineering.
Student, Carroll College, 1911-1913; C.E., University of Wisconsin, 1916; Instructor in Civil Engineering, University of Cincinnati, 1916-1919; Assistant Professor of Civil Engineering, *ibid.*, 1919-1921; Associate Professor of Highway Engineering, University of North Carolina, 1921—.

HARRY WOLVEN CRANE, Ph.D., Associate Professor of Psychology.
A.B., University of Michigan 1909; M.A., *ibid.*, 1910; Ph.D., *ibid.*, 1913; Instructor in Psychology, *ibid.*, 1913; Instructor in Psychology, University of Michigan, February 1913-June 1913; Chief Investigator, Michigan Legislative Commission to Investigate the Extent of Feeblemindedness, Epilepsy and Insanity and Other Conditions of Mental Defectiveness in Michigan, 1913-1915; Instructor in Psychology, Ohio State University, 1915-1918; Represented the Eugenics Record Office with the Arkansas Commission on Feeblemindedness, October 1915-March 1916; Represented Eugenics Record Office with the Psychiatric Laboratory of Police Headquarters New York City, April-May 1916; Staff Psychologist, Board of Nassau County Mental Survey, Long Island, New York, June-August 1916; Assistant Professor of Psychology, Ohio State University, 1918-1921; Associate Professor of Psychology, University of North Carolina, 1921—.

WALLACE E. CALDWELL, Ph.D., Associate Professor History.
A.B., Cornell University, 1910; fellow in Ancient History, Columbia University, 1914-1915; Instructor in History, Indiana University, 1915-1916; Lecturer in History, Columbia University,

1917-1918; Instructor in History, *ibid.*, 1918-1921; Ph.D., *ibid.*, 1919; Fellow, Belgian Relief Commission, 1921-1922; Associate Professor of History, University of North Carolina, 1922.—

George Kenneth Grant Henry, Ph.D., Assistant Professor of Latin.

A.B., Hamilton College, 1900; A.M., *ibid.*, 1904; Instructor in Mathematics, University of North Carolina, 1908-1909; Instructor in Latin, *ibid.*, 1909-1914; Ph.D., *ibid.*, 1914; Assistant Professor of Latin, *ibid.*, 1914—.

Herman Henry Staab, M.A., Assistant Professor of Romance Languages.

Student, University of Tubingen, 1895-1898; Student, University of Halle, 1899; Student, University of Geneva, 1900; In France, Italy and Spain, 1901-1905; Argentina and Brazil, 1906; Harvard University, 1910, Summer Session; B.A., M.A., University of the South, 1912; Professor of French, University of the South, Summer Quarter, 1914; Professor of Romance Languages, Converse College, 1913-1918; Professor of French, George Peabody College for Teachers, Summer Quarter, 1918; Assistant Professor of Romance Languages, University of North Carolina, 1918—.

Samuel Huntington Hobbs, Jr., A.M., Assistant Professor of Rural Economics and Sociology.

A.B., University of North Carolina, 1916; A.M., *ibid.*, 1917; Instructor in Rural Economics and Sociology, *ibid.*, 1916-1919; Assistant Professor of Rural Economics and Sociology, *ibid.*, 1919—.

Arthur Simeon Winsor, A.M., Assistant Professor of Mathematics.

A.B., Mount Allison University, 1914; A.M., *ibid.*, 1915; Assistant in Mathematics, *ibid.*, 1913-1915; Instructor in Mathematics, Rice Institute, 1915-1917; Fellow in Mathematics, *ibid.*, 1915-1917; Instructor in Mathematics, Loomis Institute, 1917-1919; Assistant Professor of Mathematics, University of North Carolina, 1919—.

Norman Morton Paull, S.B., Assistant Professor of Drawing.

S.B., in Mechanical Engineering, Worcester Polytechnic Institute, 1893; Student, Northwestern University Medical School,

1896-1897; Student in Chemistry and Dyeing, New Bedford Textile School, 1913-1916; Graduate Student, *ibid.*, 1916-1917; Assistant Professor of Drawing, University of North Carolina, 1919—.

CHARLES EDWARD GREEN, Ph.D., Assistant Professor of Romance Languages.
A.B., Syracuse University, 1915; A.M., *ibid.*, 1916; Ph.D., *ibid.*, 1921; Instructor Romance Languages, *ibid.*, 1916-1918; Instructor in Spanish, University of Pennsylvania, 1918-1919; Assistant Professor of Modern Languages, University of Nebraska, 1919-1920; Assistant Professor of Romance Languages, University of North Carolina, 1920—.

WILLIAM FLINT THRALL, Ph.D., Assistant Professor of English.
A.B., McKendree College, 1901; A.M., *ibid.*, 1902; Professor of English *ibid.*, 1909-1920; Registrar, *ibid.*, 1915-1920; A.M., University of Chicago, 1915; Ph.D., *ibid.*, 1920; Assistant Professor of English, University of North Carolina, 1920—.

JOHN BROOKS WOOSLEY, A.M., Assistant Professor of Economics.
A.B., Guilford College, 1912; A.B., Haverford College, 1913; A.M., *ibid.*, 1914; Professor of History and Economics, Guilford College, 1914-1917; Student, University of Toulouse (France), 1919; Student, Columbia University, 1920; Assistant Professor of Economics, University of North Carolina, 1920—.

HOWARD RUSSELL HUSE, Ph.B., Assistant Professor of Romance
Student, University of Dijon, France, 1910-1911; Ph.B., University of Chicago, 1913; Fellow in Romance Languages, *ibid.*, 1913; Assistant Instructor in Romance Languages, *ibid.*, 1914-1916; Assistant Professor of Romance Languages, Newcomb College; Tulane University, 1916-1918; Assistant Professor of Romance Languages, University of North Carolina, 1920—.

JOHN JAMES DAVIS, B.S., Assistant Professor of Romance Languages.
B.S., Virginia Polytechnic Institute, 1904; Graduate Student, *ibid.*, 1904-1905; Assistant in Modern Languages, *ibid.*, 1904-1906; Instructor in Modern Languages, *ibid.*, 1906-1910; Student, Columbia University, 1910; Associate Professor of Modern Languages, Virginia Polytechnic Institute, 1910-1917; Graduate Student, Johns Hopkins University, 1915-1916; Professor of Modern Languages, Virginia Polytechnic Institute, 1917-1920; Assistant Professor of Romance Languages, University of North Carolina, 1920—.

Frank Rosebro Flournoy, A. M. Assistant Professor of History.
A.B., Washington and Lee University, 1905; A.M., Columbia University, 1912; Graduate student, *ibid.*, 1914-1917; Instructor in History, Extension Division, *ibid.*, 1916-1918; Lecturer in History, *ibid.*, 1918; Assistant Professor of History, University of North Carolina, 1921—.

Ernest Lloyd Mackie, A.M., Assistant Professor of Mathematics.
A.B., University of North Carolina, 1917; Instructor in Mathematics, Clemson College, 1917-1919; A.M., Harvard University, 1920; Instructor in Mathematics, *ibid.*, 1920-1921; Assistant Professor of Mathematics, University of North Carolina, 1921—.

Robert Hasley Wettach, A.M., S.J.D., Assistant Professor of Law.
A.B., University of Pittsburg, 1913; A.M., *ibid.*, 1914; L.L.B., *ibid.*, 1917; S. J. D., Harvard University, 1921; Assistant Professor of Law, University of North Carolina, 1921—.

Henry Roland Totten, A.M., Instructor in Botany.
A.B., University of North Carolina, 1913; Assistant in Botany, *ibid.*, 1913-1914; A.M., *ibid.*, 1914; Student, University of Paris, 1919; Instructor in Botany, University of North Carolina, 1914—.

Isaac Vilas Giles, M.S., Instructor in Chemistry.
B.S., University of North Carolina, 1918; Assistant in Chemistry, *ibid.*, 1916-1918; Instructor in Chemistry, *ibid.*, 1919—; M.S., *ibid.*, 1920—.

Joe Burton Linker, A.M., Instructor in Mathematics.
A.B., University of North Carolina, 1918; Instructor in Mathematics, *ibid.*, 1919—; A.M., *ibid.*, 1920.

James Blaine Davis, A.B., Instructor in Mathematics.
A.B., Wake Forest College, 1916; Instructor in Mathematics, University of North Carolina, 1919—.

Haywood Maurice Taylor, B.S., Instructor in Chemistry.
B.S., University of North Carolina, 1920; Instructor in Chemistry, *ibid.*, 1920—.

WILLIAM DOUGALD MACMILLAN, III., A.M., Instructor in English.
A.B., University of North Carolina, 1918; Teaching Fellow in English, *ibid.*, 1919-1920; A. M., *ibid.*, 1920; Student, University of Chicago, 1920; Instructor in English, University of North Carolina, 1920—.

HARRY FRANKLIN LATSHAW, A.B. in Ed., Instructor in Latin.
A.B. in Ed., University of North Carolina, 1920; Instructor in Latin, *ibid.*, 1920—.

HERMAN GLENN BAITY, A.B., Instructor in Mathematics.
A.B., University of North Carolina, 1917; Student, University of Paris, 1919; Instructor in Mathematics, University of North Carolina, 1920—.

ALMONTE C. HOWELL, M.A., Instructor in English.
Undergraduate Assistant, Denison University, 1914-1917; A.B., *ibid.*, 1917; Professor of Mathematics and Education, Columbia College (Fla.), 1917-1918; M.A., Columbia University, 1920; Instructor in English, University of North Carolina, 1920—.

FRANK JOHN HARONIAN, A.B., Instructor in French.
A.B., College des Mechitharistes (Constantinople), 1908; Student, State Normal School (N. J.), 1915-1917; Student, Columbia University, 1919; Instructor in French, University of North Carolina, 1920—.

THOMAS HOFFMAN HAMILTON, A.B., Instructor in Music.
A.B., Monmouth College, 1907; Instructor in English, Assiut College, Egypt, 1907-1910; Graduate student, University of Chicago, 1912; Instructor in Music, Monmouth College, 1912-1915; Instructor in Music, Texas Christian University, 1915-1917; student, Columbia University, 1917-1918; student, Alliance Francaise and Conservatoire Nationale, 1919; head of Voice department, Heidelberg University, 1919-1920; Instructor in Music, University of North Carolina, 1920—.

MARTIN KAHAR BROOKS, A.M., Instructor in Romance Languages.
A.B., University of Kansas, 1911; A.M., *ibid.*, 1912; Instructor in Romance Languages, University of Missouri, 1914-1916; Student, Harvard University, 1919-1921; Instructor in French, *ibid.*, 1919-1921; Instructor in Romance Languages, University of North Carolina, 1921—.

MURAT HALSTEAD ROBERTS, A.M., Instructor in Romance Languages.
A.B., University of Tennessee, 1915; Instructor in Romance Languages, Lincoln Memorial University, 1915-1916; Instructor in Romance Languages, East Tennessee State Normal School, 1916-1920; A.M., Princeton University, 1921; Instructor in Romance Languages, University of North Carolina, 1921—.

HARRY SYLVANUS VAN LANDINGHAM, M.A., Instructor in French.
B.A., Richmond College, 1912; M.A., *ibid.*, 1916; Teacher of Piano, Baylor College, 1914-1915; Certificat d'Etudes Francaises, University of Grenoble, 1920; Certificat d'Etudes Phonétiques Elémentaires de l'Associations Phonétiques Internationales, Paris, 1921; Instructor in French, University of North Carolina, 1921—.

THOMAS JAMES WILSON, III., A.B., Instructor in French.
A.B., University of North Carolina, 1921; Instructor in French, *ibid.*, 1921—.

JOHN FENTON DAUGHERTY, A.B., Instructor in Physics.
A.B., Dickinson College, 1921; Instructor in Physics, University of North Carolina, 1921—.

JOHN HODGDON BRADLEY, Jr., A.B., Instructor in Geology.
A.B., Harvard University, 1921; Assistant in Geology, *ibid.*, 1920-1921; Instructor in Geology, University of North Carolina—.

ALBERT BACHMANN, Ph.D., Instructor in German.
Student in Language School, Lausanne, 1911-1912; Ph.D., University of Zürich, 1919; Instructor in German, University of North Carolina, 1921—.

MICHAEL ARENDELL HILL, Jr., A.B., Instructor in Mathematics.
A.B., University of North Carolina, 1920; Teaching Fellow in Mathematics, *ibid.*, 1920-1921; Instructor in Mathematics, *ibid.*, 1921—.

CHARLES DALE BEERS, A.B., Instructor in Zoology.
Instructor in Botany, University of North Carolina, 1917-1918; Assistant in Zoology, *ibid.*, 1920-1921; A.B., *ibid.*, 1921; Instructor in Zoology, *ibid.*, 1921—.

SAMUEL CLEMENT SMITH, A.M., Instructor in Chemistry.
A.B. Guilford College, 1918; A.M., University of North Carolina, 1920; Teaching Fellow in Chemistry, *ibid.*, 1920-1921; Instructor in Chemistry, *ibid.*, 1921—.

CARL WIEGAND, Instructor in Violin.

TEACHING FELLOWS, 1921-1922

JOHN NATHANIEL COUCH, A.B., Teaching Fellow in Botany.
FREDERICK PHILIPS BROOKS, B.S., Teaching Fellow in Chemistry.
RICHARD ARTHUR LINEBERRY, B.S., Teaching Fellow in Chemistry.
HORACE DOWNS CROCKFORD, B.S., Teaching Fellow in Chemistry.
ERNEST WILLIAM CONSTABLE, B.S., Teaching Fellow in Chemistry.
FRANKLIN THOMPSON, B.S., in Commerce, Teaching Fellow in Economics.
LEVI HAYWOOD JOBE, A.B., Teaching Fellow in Education.
RAYMOND WILLIAM ADAMS, A.M., Teaching Fellow in English.
PAUL ELLIOT GREENE, A.B., Teaching Fellow in English.
A. THEODORE JOHNSON, A.M., Teaching Fellow in English.
EDWIN SAMUEL LINDSEY, A.M., Teaching Fellow in English.
ROLAND PRINCE MCCLAMROCH, A.B., Teaching Fellow in English.
HENRY SPURGEON BOYCE, A.B., Teaching Fellow in Geology.
BURGIN EDISON LOHR, A.B., Teaching Fellow in Geology.
TYRE CRUMPLER TAYLOR, A.B., Teaching Fellow in History and Government.
FLETCHER MELVIN GREEN, Ph.B., Teaching Fellow in History and Government.
MILES HOFFMAN WOLFF, A.B., Teaching Fellow in History and Government.
WILLIAM DARBY GLENN, A.B., Teaching Fellow in Psychology.
JOHN HOLMAN MCFADDEN, B.A., Teaching Fellow in Psychology.
JAMES ALLEN DICKEY, A.B., Teaching Fellow in Sociology.

STUDENT ASSISTANTS, 1921-1922

ETTA PIERSON, Assistant in Botany
ALMA HOLLAND, Assistant in Botany.
FREEMAN AUGUSTUS GRANT, Assistant in Botany.

Ernst Otto Moehlmann, Assistant in Chemistry.
Laurence Vermeule Phillips, Assistant in Chemistry.
Earle Hinson Thompson, Assistant in Economics.
Collier Bryson Sparger, Assistant in Economics.
Marshall Edgar Lake, Assistant in Electrical Engineering.
Roy Madison Casper, Assistant in Electrical Engineering.
Reginald Archibald Tillman, Assistant in Electrical Engineering.
George Wallace Smith, S. B., Assistant in Engineering.
Thomas Glenn Murdock, Assistant in Geology.
Henry Harrison Bullock, Assistant in Geology.
Charles Worth Fowler, Assistant in Geology.
William Hosea, Assistant in Psychology.
Grant Lester Donnelly, Assistant in Zoology.
William Leonidas Smith, Assistant in Zoology.
William Preston Holt, Assistant in Zoology.
Frank Robbins Bacon, Assistant in Mathematics
Allen Alexander Miner, Assistant in Medicine.
John Warren Henderlite, Assistant in Medicine.
Howard Alexander Patterson, A. B., Assistant in Medicine,
Frank Ray Yarborough, Assistant in Medicine.
Daniel Allen Fields, Assistant in Medicine.
Ellie Burton Bristow, Assistant in Pharmacy.
Francis Earle Campbell, Assistant in Pharmacy.
Paul Milton Gray, Assistant in Physics.
Charles Gradis Lancaster, Assistant in Physics.
Dare Abernethy Wells, Assistant in Physics.
Augustus Rufus Bullock, Assistant in Physics.

FACULTY COMMITTEES

The President is a member *ex officio* of all committees.

Advisory (*elected*). Professors Carroll, Wilson, L. R., McGehee, Greenlaw, Coker.

Executive (*elected*). Mr. Bradshaw, Professors Bernard, Daggett, Graham.

ADVANCED STANDING. Professors Carroll, Howe, Daggett, The Registrar.

ATHLETICS. Professors Mangum, Henderson, Howell, Lawson, Brown, Patterson, Hobbs, A. W.

ALUMNI CATALOGUE. The Registrar, Professors Hamilton, Wilson, L. R., Mr. Rankin and Alumni representatives.

ALUMNI ORGANIZATION. Mr. Rankin, Professors Bernard, Patterson, Graham, Mr. Bradshaw.

CATALOGUE. Professors Daggett, Howe, Henry, Mustard, The Registrar.

CHAPEL. Mr. Bradshaw, Professors Bernard, Graham, Mangum, Odum, Patterson, Weaver, Mr. Corner.

DEBATES. Professors Williams, H. H., Bernard, Graham, McKie.

DEGREES WITH DISTINCTION. Professors Greenlaw, Daggett, Hamilton, Henderson, Howe, Toy, Wilson, H. V., Carroll.

DRAMATICS. Professors Koch, Howe, Daggett, Greenlaw, Weaver, Wheeler, McKie.

ENGLISH COMPOSITION. Professors Dargan, Bell, Carroll, Foerster, Leavitt, Pierson.

EDUCATIONAL POLICY. The President, Professors Carroll, Coker, Daggett, Greenlaw, Howe, Knight, Pierson, Royster, Walker.

ENTRANCE REQUIREMENTS. Professors Walker, Williams, L.A., Daggett, Harrer, The Registrar.

FACULTY LIVING CONDITIONS. Professors Carroll, Bell, Branson, Daggett, Henry, Wheeler, Wilson, L. R., and Mr. Woollen.

GROUNDS AND BUILDINGS. Professors Coker, McNider, Wheeler, Booker, Odum.

HEALTH AND SANITATION. Dr. Abernethy, Professors Braune, Bullitt, Saville, Mr. Woollen.

HONORARY DEGREES. Professors Henderson, Branson, Venable, Wilson, L. R., Howe.

LIBRARY BOOK COMMITTEE. Wilson, L. R., Coker, Bernard, Foerster, Pierson, Dey, Carroll.

LIBRARY BUDGET. The Librarian, the Deans of the College, the School of Applied Science, the Graduate School, the President.

MCNAIR LECTURES. Professors Coker, Henderson, Williams, H. H., MacNider.

Press Association. Professors Louis Graves, Wilson, L. R., Hibbard.

Publications. Professors Wilson, L. R., Hamilton, Coker, Greenlaw, Louis Graves, Walker, Mr. Snell.

Public Lectures. Professors Henderson, Howe, McGehee, MacNider, Coker, Carroll, Louis Graves.

Public Occasions and Celebrations. Professors Henderson, Hamilton, Patterson, Wheeler, Howe, Pratt, Connor.

Schedules. Howe, Patterson, Wilson, T. J. Jr.

Student Employment. Mr. Bradshaw, Professors Bell, Toy, Wheeler, Hickerson, Graham, Odum, Lear, Hobbs, A.W., Mr. Comer.

Student Life and Activities. Professors Booker, Bernard, Patterson, Weaver, Hibbard, Graham, Mr. Bradshaw, Mrs. Stacy.

University Relations. Professors Wilson, L. R., Knight, Branson, Williams, L. A.

University Sermons. Professors Toy, Wheeler, Cobb, Knight.

PART TWO—GENERAL INFORMATION

THE UNIVERSITY

GROUNDS AND BUILDINGS

ADMISSION

EXPENSES

PECUNIARY AID

MEDALS AND PRIZES

REGULATIONS

STUDENT GOVERNMENT

PUBLIC LECTURES

UNIVERSITY ORGANIZATIONS

THE ASSOCIATIONS OF THE ALUMNI

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged, and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the University was opened in 1795.

The title, preamble, and first section of the Act of incorporation are as follows:

"AN ACT TO ESTABLISH A UNIVERSITY IN THIS STATE"

"WHEREAS in all well regulated Governments, it is the indispensable Duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honorable Discharge of the Social Duties of Life, by paying the strictest attention to their Education: And whereas an University supported by permanent Funds, and well endowed, would have the most direct Tendency to answer the above Purpose:

"I. *Be it therefore enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the Authority of the Same,* That, *Samuel Johnson, James Iredell, Charles Johnson, Hugh Williamson, Stephen Cabarrus, Richard Dobbs Spaight, William Blount, Benjamin Williams, John Sitgreaves, Frederick Hargett, Robert Snead, Archibald Maclaine,* Honourable *Samuel Ashe, Robert Dixon, Benjamin Smith,* Honourable *Samuel Spencer, John Hay, James Hogg, Henry William Harrington, William Barry Grove,* Reverend *Samuel McCorkle, Adlai Osborne, John Stokes, John Hamilton, Joseph Graham,* Honourable *John Williams, Thomas Person, Alfred Moore, Alexander Mebane, Joel Lane, Willie Jones, Benjamin Hawkins, John Haywood,* senior *John Macon, William Richardson Davie, Joseph Dixon, William Lenoir, Joseph M'Dowell, James Holland* and *William Porter, Esquires,* shall be and they are hereby declared to be a body politic and corporate to be known and distinguished by the name of *The Trustees of the University of North Carolina** and by that name shall have perpetual Succession and a common Seal; and that they the Trustees and their Successors,

* The corporate name has been changed to The University of North Carolina.

by the Name aforesaid, or a Majority of them, shall be able and capable in Law to take, demand, receive and possess all Monies, Goods and Chattels that shall be given them for the Use of the said University, and the same apply according to the Will of the Donors, and by Gift, Purchase or Devise to take, have, receive, possess, enjoy and retain to them and their Successors forever, any Lands, Rents, Tenements and Hereditaments, of what Kind, Nature or Quality soever the same may be, in special Trust and Confidence that the same or Profits thereof shall be applied to and for the Use and Purpose of establishing the said University."*

The University is governed by a board of trustees elected by the Legislature and is free from sectionalism, sectarian or political control. The Governor of the State is *ex officio* President of the Board of Trustees.

Article IV of the Constitution of 1876 contains the following provisions regarding the University:

"Sec. 6. The General Assembly shall have power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchise, and endowments thereof, in any wise granted to or conferred upon the Trustees of said University; and the General Assembly may make such provisions, laws, and regulations from time to time as may be necessary and expedient for the maintenance and management of said University.

"Sec. 7. The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estate of deceased persons, shall be appropriated to the use of the University."

SITUATION AND GENERAL ADVANTAGES

The University is situated at Chapel Hill, ten miles from Durham and twenty-eight miles from Raleigh. It may be reached by rail from University Junction, or by one of the automobile lines which maintain regular and frequent schedules from Durham. The site of the University is on a promontory of granite, belonging to the Laurentian system, about three hundred feet above the sandstone formation to the east that was once the bed of a great body of water. It is near the center of the state, midway between the mountains and the sea, with sufficient elevation to insure

* Laws of the State of North Carolina, published by James Iredell, Edenton, 1791.

healthful and pleasant working conditions. The site has always been famed for its beauty. On this promontory the great roads from Petersburg to Pittsboro and from New Bern to Greensboro crossed. At the cross was a chapel of the Church of England, giving to the eminence its name, New Hope Chapel. The name "Chapel Hill" occurs in the report of the Trustees, November, 1792, on the choice of a site, and a contemporary account describes the site as follows:

"The seat of the University is on the summit of a very high ridge. . . . The ridge appears to commence about half a mile directly east of the building, where it rises abruptly several hundred feet. This peak is called Point Prospect. The flat country spreads out below like the ocean, giving an immense hemisphere in which the eye seems lost in the extent of space."

This account is equally valid to-day. The region abounds in hills, covered with magnificent trees, filled with springs and brooks, and with a profusion of mountain flowers. The campus, of about fifty acres, is one of the most beautiful in America. The University owns, contiguous to the campus, five hundred acres of forest lands, partly laid off in walks and drives. The present buildings of the University, about thirty-two in number, range in age from the Old East dating to 1795 to Phillips Hall, a magnificient new fire proof structure, housing the Departments of Engineering, Mathematics and Physics. A model central power plant provides heat, water and electric lights for all the buildings. The infirmary is a modern building completely equipped and under the direction of the University physician. Records prove that health conditions at the University are excellent.

NEW BUILDING PROGRAM

The generous appropriation of one million four hundred and ninety thousand dollars for permanent improvements made by the General Assembly in 1921, has made it possible to begin work on the development of the South Campus. There are now under construction four dormitories capable of housing four hundred and eighty students and a large building for the Departments of History and Social Sciences. These five buildings will be ready for use with the opening of the Fall Quarter in 1922.

Plans are also being prepared for a building for the School of Law and a building for the modern Language Departments. The Law Building will be completed by January 1st, 1923 and and the modern Language Building early in the spring of 1923.

ORGANIZATION AND DEGREES

The University is organized into a College of Liberal Arts and seven Schools, which have jurisdiction over degrees as follows: The College of Liberal Arts, Bachelor of Arts, and jointly with the School of Law, Bachelor of Arts and Laws; the School of Applied Science, Bachelor of Science in Chemistry, in Electrical Engineering, in Civil Engineering, in Geology, and, jointly with the School of Medicine, in Medicine; the School of Education, Bachelor of Arts in Education; the School of Commerce, Bachelor of Science in Commerce; the Graduate School, Master of Arts, Master of Science, and Doctor of Philosophy; the School of Law, Bachelor of Laws, Bachelor of Arts and Laws (jointly with the College of Liberal Arts); the School of Medicine, Bachelor of Science in Medicine (jointly with the School of Applied Science); the School of Pharmacy, Graduate in Pharmacy, Doctor of Pharmacy, and Pharmaceutical Chemist.

The School of Public Welfare offers courses of professional training for social work and community leadership.

In the Summer School are offered certain courses for which regular University credit is allowed, as well as special courses designed primarily for the teachers of the state.

There is also a Bureau of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the state generally.

THE COLLEGE YEAR

The college year is divided into Fall, Winter and Spring Quarters of approximately eleven weeks each, and a Summer Session of six weeks. There is a Thanksgiving recess of five days, a Christmas recess of approximately two weeks, and an Easter recess beginning on Good Friday and ending on the following Wednesday.

GENERAL CULTURE

Chapel Exercises are conducted in Memorial Hall, with the reading of the scriptures and singing, every week-day morning except Saturday, at 11:15 o'clock. Attendance is required of Freshmen, Sophomores, and Juniors. At the same hour timely talks are given by different members of the Faculty. Bible classes for young men are taught in each of the five churches of the village every Sunday. Religious services are held twice a week, or oftener, in each church. A series of sermons

is delivered annually by the University preachers, chosen by the Trustees from the various denominations. Bible lectures are delivered every Sunday morning in Gerrard Hall. The Young Men's Christian Association meets three times a week, for prayer and other services, and conducts a series of Bible courses, which are largely attended by the students.

DISCIPLINE

The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty, or for misconduct.

PHYSICAL TRAINING

Hearty encouragement is given to athletic sports and to all kinds of physical culture. The Emerson Athletic Field, the gift of Mr. Isaac Emerson, of Baltimore, furnishes ample facilities for football and baseball, and the track is admirably adapted for running and general track athletics. Fifteen tennis courts are located on the campus. Systematic exercise under skilled instructors is offered to all students in the University.

Exercise is required three hours a week of all Freshmen, unless excused. In the fall, a thorough physical examination of each Freshman is made, and the heart, the lungs, the eyes, and the ears, are tested, in order that students defective in physical development may be given special work under the personal supervision of the Director. Round shoulders, flat chests, curvature of the spinal column, hernia and mild cases of congenital paralysis are thus often greatly benefited and sometimes completely corrected.

MEDICAL ATTENTION

In order to secure responsible and efficient medical advice and to provide proper attention for the student during sickness, the University employs a practicing physician and maintains a well appointed infirmary. The Infirmary is equipped with all necessary conveniences and comforts, is under the immediate supervision of the University Physician, and is provided with two experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made, but should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon) recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

GROUNDS AND BUILDINGS

The University campus contains forty-eight acres of land, affording ample grounds for building and for all sorts of athletic sports. The University owns, contiguous to the campus, five hundred acres of forest lands, which are partly laid off in walks and drives. The University has thirty-two buildings.

BUILDINGS FOR GENERAL UNIVERSITY USES

The Alumni Hall contains the offices of administration, and nine lecture rooms.

Gerrard Hall is used for lectures, mass meetings and other student assemblies, and for public lectures.

Memorial Hall commemorates the illustrious dead of the University. It is used for chapel exercises, for Commencement, and public exercises.

BUILDINGS FOR SPECIAL PURPOSES

Smith Hall contains the Law Library, offices and lecture rooms of the School of Law.

The Peabody Building, the gift of the Peabody board, contains lecture rooms, offices, library, and auditorium of the School of Education, and is splendidly equipped in every detail.

The Young Men's Christian Association Building is a valuable adjunct to the work of the Association.

The William Preston Bynum, Jr., Gymnasium is the gift of Judge William Preston Bynum, in memory of his grandson, William Preston Bynum, Jr., of the class of 1893. It is furnished with modern apparatus, swimming pool, baths, lockers and running track; and contains a trophy room and the office of the Instructor in Physical Training.

The Infirmary, a spacious and completely equipped building, is open to all the students of the University.

Swain Hall contains a dining-room with a seating capacity of six hundred, kitchens, a bakery, and a cold-storage plant.

A Modern Steam Laundry completed during the summer of 1921 furnishes the highest grade of laundry service to the student body and to the town of Chapel Hill.

DORMITORIES

The South Building contains one lecture room and thirty living rooms.

The Old East Building contains two lecture rooms and twenty-eight living rooms.

The Old West Building contains two lecture rooms, the Historical Museum, and twenty-seven living rooms.

The New West Building contains the Dialectic Literary Society's Hall, one lecture room, and eleven living rooms.

The New East Building contains the Philanthropic Literary Society's Hall, the Geological Laboratory and Museum, the offices of the North Carolina Geological Survey, and fourteen living rooms.

University Inn Annex is used for dormitory purposes.

The Carr Dormitory, the gift of Gen. J. S. Carr, contains forty-two living rooms.

The Smith Dormitory contains forty living rooms.

The Battle, Vance and Pettigrew Dormitories, each contain twenty-four living rooms, each room having two connecting bedrooms.

The Steele Dormitory, named in honor of Walter Lake Steele, class of 1844, contains thirty-six living rooms, accommodating seventy-two students.

In addition to the above dormitories, four modern buildings containing accommodations for four hundred and eighty students will be ready for occupancy with the Fall Quarter of 1922.

LABORATORIES AND MUSEUMS

The Geological Laboratories and Museum

The Geological Laboratory occupies the first floor of the New East Building. In addition to a lecture room with a seating capacity of about fifty, there is a large laboratory supplied with working collections of minerals, rocks, and fossils, and with photographs, maps, and models illustrating geological structure. The laboratory is furnished with three petrographical microscopes, with four microscopes for soil study, and with apparatus for the slicing and polishing of rocks. Microscope slides have been made of most of the specimens from North Carolina; the department has, also, sections of the typical European rocks. Sections of the rocks around Chapel Hill, and the igneous rocks of the Boston

Basin, made by the late Hunter Lee Harris, of the class of 1889, were given to the geological department. There is a room for photographic work.

The University possesses a collection of more than two thousand specimens of building stones, coal, and various products illustrating the economic geology of the State. These are arranged in an exhibition room of six hundred and fifty square feet of floor space. Here also are kept the sections taken with a diamond drill in the coal regions of Pennsylvania, in the region around King's Mountain, where the Summer School of Geology held its sessions, in the Dan River coal fields, and in the Triassic Rocks at Durham, N. C. A complete set of the ores of the precious metals found along the line of the Atchison, Topeka and Santa Fe Railroad is included in the collection. Valuable additions have been made to the collection of fossils also, affording increased opportunity for laboratory work in historical geology and paleontology. The collection illustrating economic geology has been largely increased by the addition of many specimens from the mining regions of Northern Ontario. Stereographs and lantern slides illustrating geological phenomena in all parts of the world and lantern slides showing mining methods in all the great mining regions are in constant use, and important additions to this collection have been made during the year.

The Department Library, which occupies a room adjoining the exhibition room, is supplied with State and United States Reports, the papers of working geologists, the best works upon Geology, and scientific periodicals.

The Chemical Laboratories

Chemistry Hall is located east of Alumni Hall. The main floor contains the large lecture hall, a small lecture room, the laboratory for Organic Chemistry, two laboratories for Quantitative Analysis, several private laboratories and offices for the instructors. On the second floor are two large laboratories for Elementary Chemistry, the large laboratory for Qualitative and Quantitative Analysis, several research laboratories and the Library of the Department. The basement contains the storerooms, fireproof room, constant temperature room, assay room, laboratories for physical chemistry and electrochemistry and a small lecture room.

The laboratories are well equipped with apparatus for the regular courses and for research work of students or instructors, and the library contains a most excellent collection of books and journals which are of the utmost value in research work.

The Biological Laboratories

The Biological Building, Davie Hall, is occupied by the Departments of Zoology and Botany. The building is a rectangular structure of pepper-and-salt brick and is divided into a main body and two wings. The total length is 125 feet, the depth of the main body 44 feet, that of the wings 38 feet. A basement underlies the whole, above which are two floors. The main body has an additional third floor. The building faces south, lies to the east of the New East, and adjoins the Arboretum.

The entrance hall, on the first floor, lighted with large windows on either side of the main doorway, serves for the exhibition of museum specimens of a more popular character. Back of the entrance hall are herbarium, a room for charts and other lecture apparatus, and a room for the storage of zoological specimens. The west wing of this floor is occupied by a lecture room with a seating capacity of one hundred and twenty, the east wing by a laboratory for the elementary classes in zoology and botany. The latter laboratory is arranged for twenty-four wall tables with a window in front of each table.

On the second floor the east wing is occupied by a single large laboratory for advanced work in zoology and the west wing by a similar laboratory for advanced work in botany. Each of these rooms accommodates twenty workers, and is lighted on three sides with twenty windows. The main building on this floor includes private workrooms for the professors of zoology and botany; two storerooms, and a library. On the third floor of the main body is a photographic studio with windows on the north side extending to the floor, and with skylights. In the basement are a fireproof incubator room, a room for micro-photography with adjoining dark room, janitor's shop, and rooms for the storage of heavy supplies. The wings in the basement are designed for the keeping of live animals and plants for experimental work in botany and zoology.

The Medical Laboratories

The medical building, Caldwell Hall, was built with funds appropriated by the State. It was completed and opened for ser-

vice in 1912. It is located on the south side of Cameron Avenue opposite Davie Hall.

The main building is 117 x 64 feet and adjoining it on the south side is a wing 63 x 36 feet, each including a basement and two stories. The first floor of the main building is bisected by a hall fourteen feet wide from north to south and a corridor 8 feet wide from each to west. The floor space is therefore subdivided into four equal parts. Each part is subdivided into one large laboratory 34 x 27 feet and two smaller laboratories, 12 by 14 feet. The second floor is practically a duplicate of the first floor. Each of the large laboratories is equipped for forty students and those on the north side are used for all microscopic work and those on the south side for experimental physiology, experimental pharmacology, and physiological chemistry. The smaller laboratories are used as private laboratories for the instructors.

On the first floor of the wing are the lecture room which has a seating capacity of about seventy-five, and the departmental library; on the second floor are the dissecting hall and private rooms of the instructors in anatomy.

In the basement provision is made for the care of animals and the storage of supplies. The rooms are well lighted, heated, and ventilated and provided with conveniences for proper sanitation.

The laboratories are unusually well lighted and equipped with the essentials for efficient work by students and instructors.

The departmental library contains approximately 1200 bound volumes of the best journals covering the subjects of the first two years of the medical course, most of them in complete sets, and a large number of books on clinical subjects presented by friends of the school, among them the private libraries of some of the most eminent physicians in the State, Dr. W. J. Wood of Wilmington, Dr. P. E. Hines of Raleigh, Dr. H. S. Bahnson of Winston-Salem.

The Pharmaceutical Laboratories

Person Hall is occupied by the School of Pharmacy. It contains ten rooms, each equipped with water, gas, and electricity. It is well supplied with light and ventilation.

The front part of the building contains a lecture room, a library, and a research laboratory. The lecture room has a seating capacity of seventy-five students. In this room are exhibited many rare and

expensive chemicals, antitoxins and serums, standardized galenicals, and preparations made by various students. These exhibits serve to illustrate lectures. The library was inaugurated by the Class of 1897. In it are filed a large number of medical and pharmaceutical journals, and it contains a well-selected group of text, historical, and reference books.

The body of the building is made up of three laboratories and an office. These laboratories are for the first, second, and third year pharmacy students. Each student is supplied with an individual desk with lock, in which is stored all the equipment and apparatus necessary for the work. These desks are supplied with both water and gas. Suitable balances are distributed at convenient points throughout the laboratories.

The back wing of the building contains a prescription and gas room, an office, and a large lecture room for the courses in materia medica and botany.

The Physical Laboratories

The Physical Laboratories occupy the west end of the main floor of Phillips Hall. There is a large laboratory for general physics, a laboratory for advanced work, several research laboratories, a photographic dark room and two large apparatus rooms. One of these adjoins the lecture room, with a seating capacity of three hundred. The general laboratory is large enough to accommodate more than forty students at one time and is equipped with a view of accomplishing the maximum amount of laboratory work in the minimum time. All laboratories and lecture rooms are supplied with gas, running water and electric power. Compressed air can be obtained by means of a portable compression and vacuum pump.

The following electrical power resources are available, 3-phase alternating current at 110 volts, or 220 volts; a 12 volt set with capacity of 500 amperes; a 12 volt set with capacity of 14 amperes, and a 110 volt circuit.

A two-panel slate switchboard distributes direct and alternating current power by means of a plug and socket system to sub-panels located in all lecture rooms and laboratories. Seven wires run from the switchboard to each of the sub-panels, giving a very flexible system of power distribution.

The advanced laboratories are equipped with special apparatus making it possible to pursue advanced work in physics especially along the line of optics, conduction of electricity through gases and the electron theory. The recent addition of a Langmuir

Vacuum Pump makes investigations in the highest attainable vacuum now possible.

The departmental library located on the second floor of Phillips Hall has on file the current numbers of most of the standard American, English, French and German journals of physics.

The Psychological Laboratories

The Department of Psychology is using temporarily rooms at the west end of Peabody Building. They include a medium sized lecture room, a large laboratory room, two small laboratory rooms, all on the second floor; and an animal laboratory room in the basement. Sufficient equipment is at hand for the routine work in courses in elementary experimental psychology; and apparatus and supplies are adequate for certain lines of special experimental research, such as mental and physical examinations in their different phases, animal behavior, etc.

The departmental library includes all the technical journals published in English and a few in other languages. The supply of books is fairly complete.

The Civil Engineering Laboratories

The civil engineering laboratories occupy the east end of the ground floor of Phillips Hall. The materials testing laboratory contains a one-hundred thousand pound Universal testing machine upon which the usual tests of various materials of construction can be performed. This laboratory is also equipped with a Standard tensile testing machine for testing cement briquettes together with such accessory apparatus necessary for the standard tests of cement and sand.

The highway engineering laboratory is equipped with apparatus for the standard tests of bituminous and non-bituminous road surfacing materials, consisting in part as follows: Engler viscosimeter, penetrometer, ring and ball melting point apparatus, open cup oil tester, New York Board of Health oil tester, Hubbard-Carmick specific gravity flasks, hydrometers, float testing apparatus, constant temperature and drying oven, Deval 4-cylinder abrasion machine, etc.

The hydraulic laboratory is equipped with apparatus for conducting experiments upon the flow of water in pipes, weirs, and orifices; determination of friction loss and hydraulic gradient.

The laboratory of sanitary engineering is fully equipped to make complete chemical and bacteriological examinations of water, sewage and milk. Students are required to perform regularly,

for a short period, the routine tests conducted in connection with the operation of the Chapel Hill water purification plant, the sewage treatment plant, and the control of the milk supply.

The surveying laboratory consists of ample equipment, such as transits, levels, chains, etc., for conducting practical problems in field work.

The Electrical Engineering Laboratories

The Electrical Laboratories are located in the west end of the ground floor of Phillips Hall. The large dynamo laboratory contains more than forty generators, motors and transformers ranging in size up to 40 horsepower. The large seven-panel slate switchboard distributes direct and alternating current power by means of a plug and socket system to 25 sub-panels located in the dynamo laboratory and the other special laboratories. Eight wires run from the main switchboard to each of these sub-panels, giving a very flexible system of power distribution.

The following sources are available: 3-phase alternating current power at 110 volts, 220 volts or 2300 volts; direct current power from a 220 ampere hour storage battery at 120 volts. There is also a 5 kilowatt low voltage set with a capacity of 500 amperes at 12 volts or 1000 amperes at 6 volts.

The standardization laboratory is equipped with precision standards for direct current measurements up to 600 volts and 1000 amperes and for alternating current measurements up to 2300 volts and 200 amperes.

The photometric laboratory is equipped with a standard Reichsanstalt photometer bench with three-meter track, Bunsen screen, Lummer-Brodhun disappearance and contrast screens, standard Hefner lamp, a number of certified carbon and tungsten incandescent standards; a compound rotator, a luxometer for illumination surveys and a number of shades and reflectors of various types. The laboratory is also supplied with constant potential and constant current arc lamps, direct and alternating current types, a 4-ampere magnetite arc, 12-ampere flaming-arc and a 3.5 ampere mercury-arc.

The radio laboratory is equipped with receiving sets for the reception of damped and undamped waves up to a maximum of 25,000 meters and a 100-watt electron-tube radio telephone transmitter. It is well supplied with coils and condensers and a number of thermionic tubes for receiving and transmitting.

A complete General Electric oscillograph equipment has just been added to the laboratory.

The Power Plant and Mechanical Engineering Laboratory

The University Power Plant is located just back of Phillips Hall, in which are the Civil and Electrical Engineering laboratories. This plant furnishes electric lights, power and water for the town of Chapel Hill and electric lights and power, water and heat for the University buildings.

The plant was built in 1916, and was designed with a view to its use as a Mechanical Engineering Laboratory. It has an ultimate capacity of 1000 horsepower. At present the boiler room contains two 168-horsepower Babcock and Wilcox boilers supplying steam at 200 pounds pressure, a 500-horsepower Cochrane feed water heater and a full equipment of boiler room auxiliaries. It also contains two large exhaust steam heaters and a live steam heater for the hot water heating system which supplies all University buildings. All of the apparatus is supplied with a full complement of flow meters, gages, thermometers, etc., so that a complete test may be run on this part of the plant.

Adjoining the boiler room is the pump room, which contains a 4-in. two stage centrifugal service pump driven by a 20-horsepower Crocker-Wheeler motor, a 50-horsepower DeLaval turbine driven centrifugal pump for circulating the water in the heating system and a 1000-gallon per minute fire pump driven by a 100-horsepower Westinghouse motor.

The engine room, located over the pump room, contains a 200-kilowatt three phase, 2300-volt General Electric turbo generator, a 35-horsepower Ball engine and a small reciprocating engine for valve setting experiments. The turbo alternator has a direct connected exciter and there is also a 10-kilowatt motor generator exciter set. The electrical equipment is controlled by a five-panel remote-control switchboard made by the General Electric Company. All of the high tension switches are located in an enclosure in the pump room below. The enclosure also contains an 8-kilowatt constant current transformer for the campus lighting and street lighting of Chapel Hill and a 2300-volt starting compensator controlling the centrifugal pump which pumps the water supply from a small creek a mile north of the town. The laboratory is equipped with calorimeters, flow meters, thermometers, Orsat apparatus for flue gas analysis, indicators and other accessory apparatus necessary for making complete tests on power plants.

THE UNIVERSITY LIBRARY

The University Library contained at the end of the academic year ninety-nine thousand seven hundred and seventy-one volumes

and several thousand pamphlets. This collection has been largely classified and catalogued according to the Dewey decimal system, and the greater part of its contents have been rendered easily accessible by means of a thorough dictionary author, title, and subject card catalogue.

The Library funds are expended under the direction of the Librarian, the Library Committee, and Professors in charge of Departments, with special reference to the instruction given in the University. The annual addition of books from purchase, donations, and exchanges is about five thousand eight hundred volumes, all of which are carefully classified and catalogued as they are received.

The Librarian and those assisting in the Library are constantly in attendance to give help in any line of research or reading. A special collection of dictionaries, encyclopedias, almanacs, handbooks, atlases, concordances, and other reference books is provided for general use in the reference room.

In addition to the resources of the general reference room, the Library places at the disposal of students for reference purposes a collection of ten thousand bound periodicals covering all fields of general, technical, and professional information. A great number of the sets belonging to this collection are complete from their beginning, and consequently completely cover the history and progress of the subjects of which they treat. In this way students pursuing general academic and special technical or professional courses have access to the best American, English, and Continental periodical literature to be found on their subjects. The articles contained in these files are fully indexed in special periodical indexes and are referred to with ease.

Nine hundred current periodicals, transactions of literary, scientific, historical and other societies, university studies, serial publications, and a half hundred daily and weekly newspapers, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually. They are to be found in the general periodical room and in the seminars, professional schools, and scientific laboratories, where they can be consulted in the course of daily work.

As the Library is a depository for the publications of the United States Government, it contains more than seven thousand volumes of material especially valuable for reference in debate, and in the study of social and political sciences, useful arts, and the natural sciences. This collection is thoroughly indexed and its contents are easily consulted.

Five special seminar rooms have been equipped in the general Library to facilitate advanced work in English and German Literatures and Languages, Greek and Latin Literatures and Languages, the Romance Literatures and Languages, History, and North Carolina History. Special scientific and professional collections are to be found in the libraries of seminars belonging to the departments in which such instruction is given. These collections are under the supervision of the instructors in the respective departments and the Librarian, and aid is given students in the use of books relating to their work.

The North Carolina room contains all the books in the Library which relate to North Carolina, including the Weeks collection of Caroliniana, which is rapidly being catalogued and made available. The whole makes one of the finest collections on the history of this State in the country, and with its special librarian, whose thorough knowledge of the books adds greatly to their value and use, offers rare advantages to the research student.

The main Library is housed in a commodious modern library building erected in 1907, and represents an expenditure for construction and equipment of $81,000. The reference, current periodical, and seminar rooms in the main Library are large, well lighted, and have table and seating capacity for two hundred students at one time.

The stack room contains three levels of steel shelving with stairway and glass mezzanine floor between and, with its present complement of shelving, capacity for one hundred and five thousand volumes.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given new students at the beginning of each quarter, and to any student at any time who may request it. Instruction in a regular University class is also given to students who are preparing for positions in school and public libraries, with a view to making them more efficient in the discharge of their special duties.

The Library is open on week days from 8:30 a. m. to 1:15 p. m., and from 2:00 p. m. to 6:00 p. m.; on week-day evenings, Saturday excepted, from 7:00 p. m. to 11:00 p. m.; on Sundays, from 2:30 p. m. to 4:30 p. m.; on University holidays, from 3:00 p. m. to 4:00 p. m.

The following rules are considered necessary for the proper use of the Library. They will be enforced with strict impartiality:

Subscribers to the Library are the students and members of the faculty.

Other persons who desire to use the Library may become subscribers on payment of the regular Library fee.

The Library fee is four dollars a year, two dollars a term, or fifty cents a month.

Persons who are not subscribers may not borrow books on a subscriber's name.

Not more than three books may be charged to one name at the same time.

Fines for books kept over fourteen days (including the day of issue) will be imposed with exact regularity at the rate of five cents per day. Books borrowed for debate or for class use may be kept out from 8:30 p. m. until 10 a. m. of the following day. After that hour they are subject to a fine at the rate of five cents per hour. The date on the pocket or flyleaf of book is sufficient notice when the book is due.

Books from the reference room must remain in the Library.

Magazines, bound or unbound, must not be removed from the Library.

Loss or mutilation of books, or magazines, or defacement by writing in them must be paid for by purchase of a new copy.

A student who owes the Library for fines or lost books will not receive academic credit for his courses at the end of a quarter.

Any conversation in the Library, except to obtain books desired, is forbidden.

Continued disregard for any of these rules will cause the offender to forfeit the right to use the Library.

ADMISSION

ADMISSION TO THE UNIVERSITY

Candidates for admission to the University are received by certificate from accredited schools or by examination.

Entrance By Certificate. Students who present certificates of work accomplished at preparatory schools and colleges may be admitted without examination, provided the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary. Certificates must be made out on the printed forms furnished on application to the Registrar, and should be sent in as early as possible in the summer vacation; the uniform entrance certificates of the Association of Colleges and Preparatory Schools of the Southern States will also be accepted. Candidates must present themselves in person before the Committee on Entrance Certificates in the Alumni Building during the period of registration (*September 26, 27, 1922.*).

Entrance By Examination. Entrance examinations are held in September. Arrangements have been made with certain schools in the State whereby examinations for admission may be held in May, also, at the schools. The University will accept the uniform entrance examination papers of the Association of Colleges and Preparatory Schools of the Southern States, provided such papers are properly vouched for and sent sealed to the University for grading. The University will accept also the certificates of the College Entrance Examination Board. Candidates for admission by examination must report at 9 a. m., *Tuesday, September 26, 1922,* to the Registrar, who will appoint time and place for examination.

Admission to Advanced Standing

A candidate for advanced standing may be admitted to the Sophomore, Junior, or Senior Class, with or without complete examination. He is subject not only to the examinations required of candidates for admission into the Freshman Class, but to special examinations both in all the required studies already pursued by the class which he desires to enter and in as many elective studies as would have been required of him as a member of that class. When satisfied with the apparent fitness of the candidate, the examining committee may, in spite of his deficiencies in some studies, admit him to an advanced class; but a candidate so admitted is not recommended for the degree until the deficiencies are made good. The examining committee may accept, also, with proper restrictions, the official report of work satisfactorily completed at a college or university of good standing in place of an examination upon such previous work. All credits allowed by this committee stand in suspense until the candidate shall have spent one quarter in residence. If his work during this quarter is unsatisfactory, the credits may be canceled.

A candidate for advanced standing should present himself for examination on the same day and at the same hours as candidates for admission into the Freshman Class.

The Entrance Requirements

The entrance requirements for admission to the University without examination are fifteen (15) units secured by graduation from a four-year accredited school. *No student will be admitted without examination who presents fewer than fifteen (15) units.*

It must be clearly understood that *admission to the University does not, necessarily, mean admission to candidacy for a degree.*

In order for a student to be admitted as a candidate for a degree the student must meet the specific requirements laid down by the school or college in which that degree is conferred. See pages 61-65. In some cases this will make it necessary for the candidate to carry certain courses as prerequisites over and above the courses prescribed for the degree, or make up certain deficiencies.

These deficiencies must be made good before the student may register for his sophomore year.

The preparatory student should decide, therefore, as early as possible, for which degree he wishes to become a candidate and carry such courses in his preparatory school as will admit him to candidacy for that degree.

Subjects Accepted for Entrance

The complete list of subjects accepted for entrance is as follows:

English	3 or 4 units
History	4 units
Mathematics	4 units
Greek	4 units
Latin	4.7 units
French	3 units
German	3 units
Spanish	2 units
Botany	1 or 0.5 unit
Chemistry	1 or 0.5 unit
Physics	1 or 0.5 unit
Physiology	0.5 unit
Zoology	1 or 0.5 unit
General Science	1 or 0.5 unit
Physiography	1 or 0.5 unit
Drawing	1 unit
Civics	0.5 unit
Vocational subjects	
Commercial Geography	0.5 unit
General Agriculture	2 units
Bookkeeping	1 unit
Commercial Arithmetic	1 unit
Stenography and Typewriting	1 unit
Manual Training	2 units

NOTE, that as many as four (4) units in English, four (4) units in history, and two (2) units in agriculture may be accepted. This amount of credit will be allowed only when the Registrar is satisfied that the work done in these subjects at any given school is of a superior order.

NOTE FURTHER: One (1) full unit in any of the sciences will be allowed only when satisfactory work is done in the laboratory as evidenced by the notebook, otherwise only one-half (.5) unit will be allowed.

Prescribed Requirements

The requirements for admission to candidacy for the different degrees in the College and the several Schools within the University are as follows:

THE COLLEGE OF LIBERAL ARTS

(The Degree A.B.)

English *a, b, c,*	3	or 4 units
History *a,*		1 unit
Mathematics *a, b, c,*		2.5 units
Select Two: Greek *a, b,*	2	units
Latin *a, b, c, d,*	3.7	units
German *a,*	2	units
French *a,*	2	units
Spanish *a,*	2	units
		4 or 5.7 units.
Electives	4.5	or 1.8 units
Total		15 units

NOTE, that two foreign languages to the amount of not less than four (4) units are required for admission to candidacy for the degree A.B.

NOTE FURTHER: American History is a required subject for admission to candidacy for the degree A.B.

THE SCHOOL OF APPLIED SCIENCE

(The Degree B.S.)

Bachelor of Science in Chemistry

English *a, b, c,*	3	or 4 units
History *a,*		1 unit
Mathematics *a, b, c, d,*		3 units
French *a,*		2 units
German *a,*		2 units
Science		1 unit
Elective	3	or 2 units
Total		15 units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Chemistry call for:

Solid Geometry
French *and* German
American History

Bachelor of Science in Electrical Engineering, Civil Engineering, and Geology

English *a, b, c,*	3 or 4 units
History *a,*	1 unit
Mathematics *a, b, c,*	3 units
French *a,* or German *a,* or Spanish *a,*	2 units
Science	1 unit
Electives	5 or 4 units
Total	15 units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Electrical Engineering, B.S. in Civil Engineering, B.S. in Geology, call for:
Solid Geometry
One modern foreign language
American History

For admission to candidacy for the degree B. S. in Medicine see The School of Medicine, page 64.

THE SCHOOL OF EDUCATION

(The Degree A.B. in Education)

The requirements for admission to candidacy for the degree A. B. in Education are the same as for admission to candidacy for the A. B. in the College of Liberal Arts.

THE SCHOOL OF COMMERCE AND FINANCE

(The Degree B.S. in Commerce)

English *a, b, c,*	3 or 4 units
History *a,*	or 1 unit
Mathematics *a, b, c,*	2.5 unts
Select two { Greek *a, b,* / Latin *a, b,* / German *a* / French *a* / Spanish *a* }	4 units
Electives	4.5 or 3.5 units
Total	15 units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Commerce call for:
Two foreign languages to the extent of four (4) units
American History

THE SCHOOL OF PUBLIC WELFARE

The one year and two year courses of professional training are open to graduates of colleges of good standing.

Students not eligible to the regular courses by reason of not holding a degree may be admitted to special courses of one quarter or more provided they have had sufficient general education and practical experience to insure satisfactory work, and conform to University requirements.

THE GRADUATE SCHOOL

Holders of Bachelor's or Master's degrees from standard colleges are admitted to the Graduate School upon presentation of their credentials and without examination. Upon the vote of the Administrative Board other mature persons may be admitted as special students in courses for which they are qualified. Every student must bring to the office of the Graduate School, at the time of registration, a program of studies approved by the Department in which he proposes to specialize, or, in the case of special students, the permission of the Department to register for certain specified courses.

THE SCHOOL OF LAW

Candidates for the Degree of LL.B.

Students who are candidates for the degree of LL.B. must have completed eighteen courses, or their equivalent, of college work in subjects approved by the Law Faculty in the University. For the present students may be admitted with a minimum of fourteen courses, or their equivalent, provided they make up the remaining four courses at the Summer Schools of the University.

Students Not Candidates for the Degree

Students, taking regular work in the school, but not candidates for the degree, must, unless they are "special students," present 15 units for entrance credits in the Freshman class of the University.

Special Students

Men twenty-one years of age may for the present be admitted as special students upon satisfying the Law Faculty that they have such training as will enable them to profit by the instruction given in the School.

Admission to Advanced Standing

A student from another law school in which the requirements for admission are at least as high as in this school, may be admitted to advanced standing for the degree of LL.B. As a rule no more than one year's work will be so credited without residence, but with the consent of the Law Faculty, two years' work may be credited in exceptional cases. A student seeking admission to advanced standing must present satisfactory evidence that the work taken in another school is substantially equivalent to that given in the corresponding year here, both in the character of the work covered and in the amount of time devoted to each subject.

THE SCHOOL OF MEDICINE

I. Requirements for Admission to the Pre-Medical Courses:

English *a, b, c,*	3 or 4 units
History *a,*	1 unit
Mathematics *a, b, c,*	2.5 units
Select One { German *a,*	2 units
Select One { French *a,*	2 units
Electives	4.5 or 3.5 units
Total	15 units

NOTE, that the requirements for admission to the Premedical Course call for:
Either French *or* German
American History

II. Requirements for Admission to the course leading to the degree of B.S., in Medicine:

English *a, b, c,*	3 or 4 units
History *a,*	1 unit
Mathematics *a, b, c,*	2.5 unts
German *a,*	2 units
French *a,*	2 units
Electives	4.5 or 3.5 units
Total	15 units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Medicine call for:
French *and* German
American History

III. Requirements for Admission to the Medical Course. The requirements for admission to the medical course are 2 years (60 semester hours) of college work, which must include a minimum of twelve semester hours in Chemistry (including 4 semester hours

of Organic Chemistry), eight semester hours in Biology, eight semester hours in Physics, six semester hours in English, and six semester hours in a Modern Language (French or German), beyond that required for admission to the University: *Students will not be admitted with less than the total of sixty semester hours, nor with less than the required number of hours in Science and Language subjects.*

IV. Admission to Advanced Standing. Candidates for admission to the second year of the medical course must present certificates from an accredited medical school stating that they have had the required fifteen units, the two years of college work as indicated in Section III, and have completed the subjects of the first year of the medical course as outlined.

THE SCHOOL OF PHARMACY

Candidates for the degrees of Ph. G., Ph. C., or P. D. must be on entering at least seventeen years old, and must have completed either a high school course of study or the equivalent in units. They may, however, enter a one-year special course without this prerequisite.

Detailed Requirements

The requirements in each of the subjects accepted for entrance are as follows:

BOTANY: ..... .5 or 1. unit

A course such as is contained in any standard text-book; laboratory work.

CHEMISTRY: ..... .5 or 1. unit

A course such as is contained in any standard text-book; laboratory work.

CIVICS: ..... .5 unit

A course such as is contained in any standard text-book.

DRAWING: ..... 1. unit

A year's work, including simple geometrical plane and solid figures, simple pieces of machinery, elementary rules of perspective, light and shade, as applied in freehand sketching.

ENGLISH: (1923-1925) (*a*) Grammar and Rhetoric.....1. unit

(*b*) Classics for Reading ..... 1. unit

Two from each of the following groups:

GROUP I.—PROSE FICTION.

Malory's *Morte d'Arthur* (about 100 pages); Bunyan's *Pilgrim's Progress*, Part I; Swift's *Gulliver's Travels* (voyage to Lilliput and to Brobdingnag); Defoe's *Robinson Crusoe*, Part 1; Goldsmith's *Vicar of Wakefield;* Frances Burney's *Evelina;* Scott's Novels, any one; Jane Austen's Novels, any one; Maria Edgeworth's *Castle Rackrent*, or *The Absentee;* Dickens' Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Mrs. Gaskell's *Cranford;* Kingsley's *Westward Ho!* or *Hereward, the Wake;* Reade's *The Cloister and the Hearth;* Blackmore's *Lorna Doone;* Hughes's *Tom Brown's Schooldays;* Stevenson's *Treasure Island.* or *Kidnapped*, or *Master of Ballantrae;* Cooper's Novels, any one; Poe's *Selected Tales;* Hawthorne's *The House of Seven Gables*, or *Twice Told Tales*, or *Mosses From an Old Manse;* A collection of short stories by various standard writers.

GROUP II.—SHAKESPEARE.

Shakespeare's *Midsummer Night's Dream, Merchant of Venice, As You Like It, Twelfth Night, The Tempest, Romeo and Juliet, King John, Richard II, Richard III, Henry V*, and *Coriolanus;* and, if not chosen for study, *Julius Cæsar, Macbeth*, and *Hamlet.*

GROUP III.—POETRY.

Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study); Goldsmith's *The Traveler*, and *The Deserted Village;* Pope's *The Rape of the Lock;* a collection of English and Scottish ballads, as, for example, some Robin Hood ballads, *The Battle of Otterburn; King Estmere, Young Beichan, Bewick and Grahame, Sir Patrick Spens*, and a selection from later ballads; Coleridge's *The Rime of The Ancient Mariner, Christabel*, and *Kubla Khan;* Byron's *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon;* Scott's *The Lady of the Lake* or *Marmion;* Macaulay's *Lays of Ancient Rome, The Battle of Naseby, The Armanda*, and *Ivry;* Tennyson's *The Princess*, or *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur* (if not chosen for study); Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Phcidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in*

England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus (if not chosen for study); Arnold's *Sohrab and Rustum*, and *The Forsaken Merman;* selections from American poetry, *with special attention to Poe, Lowell, Longfellow and Whittier.*

GROUP IV.—BIBLICAL NARRATIVE; ESSAYS, ETC.

The Old Testament, comprising at least the chief narrative episodes in *Genesis, Exodus, Joshua, Judges, Samuel, Kings and Daniel*, together with the books of *Ruth* and *Esther;* Addison and Steele, *The De Coverley Papers* (selections from *The Spectator*); Selections from Boswell's *Life of Johnson* (200 pages); Franklin's *Autobiography*; Selections from Irving's *Sketch Book* (200 pages) or his *Life of Goldsmith;* Southey's *Life of Nelson;* Lamb, Selections from *Essays of Elia* (about 100 pages); Lockhart's Selections from the *Life of Scott* (about 200 pages). Thackeray's Lectures on Swift, Addison, and Steele in the *English Humorists;* Macaulay's essays, any one of the following; *Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederick the Great, Madame d'Arblay;* Trevelyan's Selections from the *Life of Macaulay* (about 200 pages); Ruskin's *Sesame and Lilies*, or Selections (about 150 pages); Dana's *Two Years Before the Mast;* Lincoln's Selections, including at least the two *Inaugurals*, the *Speeches in Independence Hall* and at *Gettysburg*, the *Last Public Address*, the *Letter to Horace Greeley*, together with a brief memoir or estimate of Lincoln; Parkman's *The Oregon Trail;* Thoreau's *Walden;* Lowell's Selected Essays (about 150 pages); Holmes' *The Autocrat of the Breakfast Table;* Stevenson's *An Inland Voyage* and *Travels with a Donkey;* Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge, A Liberal Education*, and *A Piece of Chalk;* A Collection of Essays by Bacon, Lamb, De Quincey, Hazlitt and Emerson and later writers; a collection of letters by various standard writers.

GROUP V.—MISCELLANEOUS.

For any selection from this group a selection from any preceding group may be substituted.

Howells, *A Modern Instance, The Rise of Silas Lapham;* A Collection of Contemporary Verse (about 150 pages); A Collection of Prose Writings on Matters of Current Interest (about 150 pages); Two Modern Plays, such as Peabody's *The Piper* or Drinkwater's *Abraham Lincoln.*

(*c*) Classics for Study..... 1. unit

One selection from each of the following groups:

GROUP I.—DRAMA.

Macbeth or Hamlet.

GROUP II.—POETRY.

Milton's *L'Allegro, Il Penseroso,* and either *Comus* or *Lycidas;* Tennyson's *The Coming of Arthur, The Holy Grail,* and *The Passing of Arthur,* Browning, selections listed in GROUP III above.

GROUP III.—BIOGRAPHY.

Macaulay's life of *Johnson;* Carlyle's essay on *Burns,* with a selection from Burns' Poems; Arnold's *Wordsworth,* with brief selection from Wordsworth's Poems.

GROUP IV.—ORATORY.

Burke's speech on *Conciliation with America;* A collection of orations to include at least Washington's *Farewell Address,* Webster's *First Bunker Hill Oration,* and Lincoln's *Gettysburg Address.*

FRENCH: (*a*) Elementary (Two-year course)..... 2. units

The forms and uses of the various parts of speech, including irregular verbs; translation of 250 or more pages of easy prose into idiomatic English; translation of simple English sentences into French; pronunciation.

(*b*) Intermediate ..... 1. unit

Translation of 400 or more pages of French of ordinary difficulty.

GENERAL SCIENCE: ..... .5 or 1 unit

A course such as is contained in Caldwell and Eikenberry's General Science; laboratory work. Holden's Real Things in Nature will not be credited for this work.

GERMAN: (*a*) Elementary (Two-year course)..... 2. units

Inflection, including the most common strong verbs; the ordinary laws of German syntax; translation of 200 or more pages of easy German into idiomatic English; translation of simple English sentences, based upon passages read, into German.

(*b*) Intermediate ..... 1. unit

Translation of 400 or more pages of German of ordinary difficulty; composition.

GREEK: (*a*) Grammar and Composition..... 1. unit
Acquaintance with the more usual forms and constructions; simple narrative in English, based upon Xenophon's Anabasis, to be translated into Greek.
(*b*) Xenophon ..... 1. unit
The first four books of the Anabasis.
(*c*) Homer ..... 1. unit
The first three books of the Iliad (omitting II, 494—end), with study of Homeric forms, constructions, and prosody.

HISTORY: (*a*) The history of the United States, as outlined in the best text-books for high schools..... 1. unit
(*b*) The history of Greece and Rome as outlined in the best text books for high schools..... 1. unit
(*c*) The history of England as outlined in the best text-books for high schools..... 1. unit
(*d*) Mediæval History ..... 1. unit

LATIN: (*a*) Grammar and Composition..... 1. unit
Forms, syntax, and prosody; simple narrative in English, based upon the prose read, to be translated into Latin.
(*b*) Cæsar ..... 1. unit
The first four books of the Gallic War, or equivalent.
(*c*) Cicero ..... .7 unit
The four orations against Catiline, or equivalent.
(*d*) Vergil ..... 1. unit
The first six books of the Æneid, study of hexameter verse.
(*e*) Cornelius Nepos ..... 1. unit
The first fifteen lives.

MATHEMATICS: (*a*) Elementary Algebra..... 1. unit
A high school algebra to quadratic equations.
(*b*) Advanced Algebra ..... .5 or 1. unit
Review of elementary algebra and quadratic equations, binomial theorem, and progressions.
(*c*) The whole of Plane Geometry..... 1. unit
(*d*) The whole of Solid Geometry..... .5 unit
(*e*) Trigonometry ..... .5 unit
Plane trigonometry and spherical trigonometry through right triangles.

PHYSICS: ..... .5 or 1. unit
A course such as is contained in Millikan and Gale's Physics or Carhart and Chute's High School Physics; laboratory work such as is outlined in Millikan and Gale's Physics.

PHYSIOGRAPHY: ..... .5 or 1. unit
A course such as is contained in any standard text-book.

PHYSIOLOGY: ..... .5 unit
A course such as is contained in any standard text-book.

SPANISH: (*a*) Elementary (Two year course)..... 2. units
Inflection, including the most common irregular verbs; ordinary laws of syntax; translation of 250 pages or more of easy Spanish into idiomatic English; translation of simple English sentences, based upon the passages read, into Spanish.

ZOOLOGY: ..... .5 or 1. unit
A year's course such as contained in any standard text-book; laboratory work.

VOCATIONAL SUBJECTS

The University will accept, as elective units for entrance, work in the vocational subjects outlined below, to the value of not more than three units. Credit will be allowed for these subjects only after special investigation as to the merit of the work done. The content of these courses is essentially the same as that adopted by the Association of Colleges and Preparatory Schools of the Southern States.

GENERAL AGRICULTURE: ..... 2 units
A four year course consisting of three recitation periods and two double laboratory periods a week, extending through four school years.

BOOKKEEPING: ..... 1 unit
A one year course covering the simple forms in single and double entry bookkeeping.

COMMERCIAL ARITHMETIC: ..... 1 unit
A one year course such as is contained in any standard text-book of commercial or business arithmetic.

COMMERCIAL GEOGRAPHY: ..... .5 unit
A half-year course such as is contained in any standard text-book.

STENOGRAPHY AND TYPEWRITING: ..... 1 unit
Credit will be allowed for work in these two subjects only if presented together. Neither subject will be credited separately.

MANUAL TRAINING: ..... 2 units
A total of not more than two units may be presented from the list of courses in shop work recommended by the Committee on Manual Training of the Southern Commission on Accredited Schools. The time required for each unit is to be not less that 240 sixty-minute hours.

EXPENSES

Every effort is made to reduce to the lowest point the necessary expenses of an education at the University. The entire annual expenses need not exceed $400 and they frequently may be reduced to $300.

TUITION

College of Liberal Arts:

Tuition fee each quarter	$20.00
*Matriculation fee each quarter	12.00
Total each quarter	$32.00

School of Applied Science:
Same as for the College.

School of Education:
Same as for the College.

School of Commerce:
Same as for the College.

School of Public Welfare:
Same as for the College.

Graduate School:
Same as for the College.

School of Law:

Tuition for Fall and Spring Terms, each	$37.50
Registration Fees, each Term	17.50

School of Medicine:
Tuition fee, including all fees, each quarter $67.00

School of Pharmacy:
Same as for the College.

*This fee includes the gymnasium fee, the library fee, the fee for attendance of the University physician and of the University nurse, and the fee for athletics.

FEES

LAUNDRY FEE: Students will be required to send their washing to the University Laundry for which a deposit will be collected at the time of registration.

LABORATORY FEES: Every student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are as follows:

ACCOUNTING

1-2-3	$2.00 a quarter	7-8	$2.00 a quarter
4-5-6	1.00 a quarter	9	2.00

BOTANY

1	$4.00	4-5-6	$4.00 a quarter
2	4.00	107-108-109	4.00 a quarter
3	4.00	110-111-112	4.00 a quarter

CHEMISTRY

1-2	$ 4.00 a quarter	47	$7.00
1-2E	4.00 a quarter	61	7.00
11.12	7.00 a quarter	63	7.00
21-22-23	10.00 a quarter	81	4.00
31	10.00	82	4.00
41	10.00	62	7.00
42	10.00	127-128-129	10.00 a quarter
44	7.00	177-178-179	10.00 a quarter
45	7.00	197-198-199	10.00 a quarter
46	7.00	117-118-119	10.00 a quarter

ENGINEERING

6abc	$ 2.00 a quarter	50abc	$5.00 a quarter
11bc	2.00 a quarter	60abc	5.00 a quarter
22ac	2.00 a quarter	61abc	6.00 a quarter
23c	3.00	62abc	4.00 a quarter
26abc	2.00 a quarter	63abc	5.00 a quarter
30	10.00	64abc	7.00 a quarter
33ab	2.00 a quarter		

GEOLOGY

1-2	$3.00 a quarter	13	3.50
3-4	5.00 a quarter	14	3.50
5-6	3.50 a quarter	15	3.50
7	3.00	18-19-20	3.50 a quarter
8-9	3.50 a quarter	21-22	2.50 a quarter
10	3.50	23-24	2.50 a quarter
11-12	3.50 a quarter	25	2.00

PHARMACY

4-5	$5.00 a quarter	14-15	$10.00 a quarter

PHYSICS

1	$2.50		
6	$2.50	1-2-3E	2.50 a quarter
2	4.00	12	5.00
9	2.50	13-14	5.00

PSYCHOLOGY

10-11-12	$2.00 a quarter	101-102-103	$2.00 a quarter

ZOOLOGY

1	$5.00	5	$5.00
2	5.00	6-7-8	3.00 a quarter
3	5.00	109-110-111	5.00 a quarter
4	5.00	112 (1)	5.00
		112 (½)	3.00

PHARMACOLOGY

10	10.00

Board

Excellent board is furnished at Swain Hall for $21.00 a month. A few students can earn their board by waiting on the tables.

Board without room can be obtained in the town from $22.50 to $35.00 a month.

Dormitory Accommodations

Accommodations for something over nine hundred students are available in the University dormitories. For a list of the dormitories see page 47.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillow, bed linen (single beds) and towels.

Room rent ranges from $3.00 to $8.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat and service.

PECUNIARY AID

FELLOWSHIPS AND SCHOLARSHIPS

The Graham Kenan Fellowship in Philosophy. A fellowship supported by the income from an endowment of twenty-five thousand dollars, established in 1921, by Mrs. Graham Kenan, in memory of her husband, an alumnus and trustee of the University. This Fellowship is awarded annually by Professor H. Horace Williams

The Ledoux Fellowship in Chemistry. (Established in 1911 by Dr. Albert R. Ledoux). The holder is expected to devote himself to research in chemistry. This fellowship is endowed, and yields $900 annually.

The Julian S. Carr Fellowship, endowed in 1916 by General Julian S. Carr. A fellowship valued at about $300 to be awarded at Commencement each year to a member of the rising Junior class or Senior class who has shown by the high scholastic quality of his work that he is worthy of help, and who, during his first years in college, has earned his way in whole or in part. The holder of this fellowship is selected by a faculty committee, and applications should be made before May 15.

The Holt Scholarships. Four scholarships, valued at one hundred and twenty five dollars each, are maintained by the income from the Holt Loan Fund, established in 1920 by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

The Cameron Scholarships. (Established in 1892.) The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of $60 each.

The Dialectic and Philanthropic Literary Societies' Scholarships. (Established in 1893.) The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of $60 each, recipients of which shall give assistance in the Library.

The Moore Scholarships. (Established in 1881.) Bartholomew Figures Moore, of Raleigh, bequeathed $5,000, the interest of which shall be devoted to paying the tuition of students.

The Mary Ann Smith Scholarships. (Established in 1891.) Miss Mary Ann Smith bequeathed $37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

The Mary Ruffin Smith Scholarships. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University, in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham County of 1,460 acres, known as Jones' Grove. The will provides that rents of the land, or the interest on the purchase money if sold, shall be used to pay the tuition of such poor students as the faculty shall appoint.

The Speight Scholarships. (Established in 1892.) The late Mrs. Mary Shepard Speight bequeathed $10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of the professors.

The Wood Scholarship. (Established in 1892.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of $60.

The Weil Scholarship. (Established in 1898.) A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of $60.

The Armfield Scholarships. (Established in 1901 and 1904.) These scholarships are founded by the generosity of Mr. Eugene M. Armfield, of the Class of 1888, High Point, N. C.

The Alumni Scholarships. These scholarships have been established by the gifts of Alumni. A scholarship will be awarded for each $1,000 given.

The Kenneth Murchison Scholarships. (Established in 1904.) These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

The R. H. Lewis Scholarships. Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE DONALD FAIRFAX RAY SCHOLARSHIP. (Established in 1919.) Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE MILDRED WILLIAMS BUCHAN SCHOLARSHIP. A fund of one thousand dollars establishhed in 1920 by Mr. Edward Robertson Buchan, in memory of his wife, the income of which is to support a scholarship in the Department of Philosophy.

None of these scholarships is open to students in the Schools of Law, Medicine, and Pharmacy.

All applications for scholarships must be filed in the President's office on or before September 1, and must be in the regular form prescribed by the University. Blank forms are supplied on application to the President.

FREE TUITION

By an act of the Legislature in 1887, free tuition is given to candidates for the ministry, to the sons of ministers, to young men under bodily infirmity, to teachers, and to young men preparing to teach. In order to secure this free tuition, young men preparing to teach must agree to teach in North Carolina for at least two years after leaving the University. This enables the University to aid effectively the public school teachers of the State.

LOAN FUNDS

THE DEEMS FUND. (Established in 1879.) A fund of $600 was established by Rev. Charles Force Deems, D. D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of $10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

THE MARTIN FUND. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1907-1908.

The Hogue Fund. A fund of $4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

The Hewitt Fund. A fund of $20,000 was established by the bequest of Mr. Joseph Henry Hewitt, of Princess Anne County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

The Holt Fund. A fund of $10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

The Victor S. Bryant Fund. A fund of $7,500 has been established by the bequest of Mr. Victor S. Bryant, of Durham. Only the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

All applications for loans must be filed in the President's office on or before September 15.

Applications for loans will not be considered unless accompanied by testimony from responsible persons as to poverty and merit. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest.

Self Help

It is confidently believed that no institution offers wider opportunity for self-help to meritorious students of slender means. The desire is that no worthy boy, however poor, shall ever be turned away for lack of means. To such the University and town offer unusual opportunities for support. Many students are now working their way through college by every form of honorable labor. A number are here as a result of money earned or borrowed. A few students are selected by the authorities as waiters at Swain Hall. Otherwise, all opportunities available in the University and town must be secured by the personal efforts of the individual, or with the assistance of the Faculty Committee on Self-Help. They are not assigned by the President.

MEDALS AND PRIZES

The Mangum Medal in Oratory. (Established 1878.) A gold medal founded by the Misses Mangum, late of Orange County, in memory of their father, Willie Person Mangum, Class of 1815, is continued by his granddaughter, Mrs. Stephen B. Weeks, and awarded to that member of the Senior Class who shall deliver the best oration at Commencement.

The Bingham Prize in Debate. (Established in 1899.) This prize is offered by Mr. R. W. Bingham in memory of his great-grandfather, grandfather, father, and brother. It is given annually for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held on Tuesday evening of Commencement week.

The Kerr Prize in Geology and Mineralogy. (Established in 1889.) A prize of $50 is offered annually by Mr. William H. Kerr in memory of his father, Professor Washington Caruthers Kerr, to any undergraduate or graduate student for the best thesis containing original work in the geology or mineralogy of North Carolina.

The Eben Alexander Prize in Greek. (Established in 1887.) A prize of $10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

The Early English Text Society Prize. (Established in 1886.) A special prize is offered annually by the Early English Text Society of London for advanced work in Anglo-Saxon and Middle English.

The Bryan Prize. (Established in 1903.) A prize will be given annually by Mr. William Jennings Bryan for the best thesis in Political Science.

The Hunter Lee Harris Memorial. (Established in 1903.) Dr. Charles Wyche, of St. Louis, offers annually, in memory of Hunter Lee Harris, of the Class of 1893, a gold medal for the best original story by any student in the University.

The William Cain Prize in Mathematics. (Established in 1908.) A gold medal is offered annually by Professor William Cain to that student who shall take the highest rank in Mathematics 11-12. No student will be recommended for the prize unless he attain to grade 2.

The Preston Cup, given by the Hon. E. R. Preston in memory of his brother, Ben Smith Preston, will be awarded annually to the undergraduate student who during the months September to April has done the best work of a journalistic nature.

Mary D. Wright Memorial Medal, given by Mr. P. E. Wright of Landis. A $25 gold medal will be awarded annually to the best speaker in the winning team of the two Literary Societies.

Stanton Byrd McKinnon Memorial Medal. A gold medal awarded through the generosity of Mrs. Graham McKinnon, of Rowland, in memory of her son, Stanton Byrd McKinnon, a prospective student of the University of North Carolina, to be given annually to that member of the Freshman Class who makes the highest grade in Freshman English.

The Archibald Henderson Prize in Mathematics. A prize of twenty-five dollars in gold is given by Professor Archibald Henderson to the graduate student who produces the best piece of original research in mathematics. This award is to be made at commencement 1922 for the first time.

The Burdick Memorial Prize in Journalism of twenty dollars is given by Mrs. Julia W. Burdick in memory of her son, Edmund. Edmund Burdick was a member of the class of 1920 and gave great promise to a successful journalistic career by his active work on campus publications. The prize is awarded to that reporter of The Tar Heel staff who shows most zeal and accuracy in his service to the paper.

Certain prizes are offered also in the Professional Schools of Law, Medicine, and Pharmacy. For these, see under the several schools.

REGULATIONS

REGISTRATION

All students are expected to present themselves for registration *Tuesday* or *Wednesday, September 26* or *27, 1922,* between the hours of 9 a. m. and 5 p. m., at the office of the Registrar. For the Winter and Spring terms the same hours will be used on days fixed by the calendar for the registration of students.

ARRANGEMENT OF COURSES

Every student, when he presents himself for registration, must submit a list of courses, required and elective, which he desires to pursue.

No student will be allowed to take less than three nor more than three and one-half courses without special permission of the Faculty.

Students desiring to change their courses must make written application to their respective Deans for the desired change. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. No changes will be permitted after the first Tuesday following the registration days except such as are granted after application to, and approval by, the Faculty. A fee of twenty-five cents will be charged for each item of change.

Candidates for more than one degree shall not offer the same elective in two courses nor a required study in one course as an elective in another.

ASSIGNMENT OF ROOMS

The rooms in the University dormitories are assigned to students by the Treasurer in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University buildings.

All occupants are required to sign a contract, subject to the following special rules:

In order to retain his room for the next session, a student must file with the Treasurer before June 15, a room contract properly signed and a deposit of $5. Double rooms must be signed for by both intending occupants. The rooms thus signed will be retained until September 15, when balance of rent is due. The $5 deposit will be forfeited in case the signer or signers do not themselves occupy the room and pay the full rent. Rooms not signed for or by failure to pay at the proper date will be assigned in the order of application. No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty of violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture supplied in his room by the University.

CONDUCT

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism, may be required to leave the University.

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admission, classification and scholarship. In particular, no partial or incomplete classroom record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in

this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included, and such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

ATTENDANCE

Regular attendance upon lectures and recitations is required of all students.

In any term, absences are counted from the first regular meeting of each class. In no case will a student be considered present at any class until he has been registered as a member of that class.

When a student's absences from a class during any term amount to 20 per cent of the scheduled meetings of the class, he may, at the discretion of the Department, be dropped from the course. The Department will be notified when a student has incurred absences amounting to 10 per cent, and again when he has incurred absences amounting to 20 per cent.

At the same time the Department will be supplied with a statement of the number of absences warranted by the College Physician's report or by a leave of absence. When at least half the absences of a student in any course are due to prolonged sickness or to leaves granted by the Registrar, or to representing the University as a member of an authorized student organization, the student shall not be dropped from such course without the concurrence of the Dean of his school.

A student who has been dropped for absences from a sufficient number of classes to reduce his schedule to one course will be suspended from the University for the remainder of the term on the ground of neglect of duty.

A student who is absent from any class without permission on the day immediately preceding or immediately following a holiday or recess will be put on strict probation by the Executive Committee for such length of time as the Committee may determine.

Attendance at chapel is compulsory for all students in the University, except for members of the professional departments and for such others as are specially excused. Absence from chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission from the President or his representative. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS

Regular written examinations are required at the end of each term in all courses except those the nature of which is such as to make written examinations unnecessary.

Special examinations for students who have been officially excussed from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Registrar and the Instructors concerned.

Special examinations may be taken by students who have received the condition grade (5) or have been officially excused from regular examinations within the preceding twelve (12) months at the period of special examinations in the week preceding the opening of the session in September.

Provided he has no conflict with a course regularly taken by him in the term such a student may take an examination at the *first* regular term examination in the same subject after he has made the grade 5 or has been officially excused.

To be entitled to take a special examination in term, or at the September period, or at a regular term examination period, the student is required to file with the Registrar at least one week prior to the examination period a written notice that he desires to take such examination. Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 6:30 p. m.

All examinations must be held in Chapel Hill.

Examinations should be limited to a period of two hours. In courses in which a considerable portion of the examination is of a *practical* nature, the Instructor may extend the time in his discretion.

No students other than the following should be permitted to take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported to the Instructor as having registered in due form for the course; and 2nd—those whose names have been reported from the Registrar's office as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade 6 or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: I hereby certify that during this examination I have neither given not received aid. The

Instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at special examination by students who have been officially excused from the regular examination will be graded. All others will be marked "passed" or "failed."

Schedules of examinations at the ends of the terms and in September are to be so arranged that examinations set for the last day of a period shall be set for the first day of the next period.

The time of an examination for a given course may be changed to another time within the examination period by unanimous consent of the class, the Instructor concurring, provided written notice is given at least one week before the examination is to be held and the change is noted by the Registrar on his schedule of examinations.

The order of examinations for the removal of conditions in September, 1922, will be as follows:

Wednesday, September 20.

10 A.M.	Mathematics	2.30 P. M.	German
	Zoology		Civ. Eng.
	Romance Languages		Elec. Eng.
	Economics		History

Thursday, September 21.

10 A. M.	Physics	2.30 P. M.	Latin
	Mathematics		Botany
	Economics		English
	Romance Languages		Elec. Eng.

Friday, September 22.

10 A. M.	Geology	2.30 P. M.	Physics
	History		Greek
	Chemistry		Rur. Econ.
	Civil Engineering		Bus. Adm.

Saturday, September 23.

10 A. M.	Chemistry	2.30 P. M.	Latin
	Philosophy		English
	Accounting		Education
	Psychology		German

STANDING

After the close of each term reports of the standing of all students in all their studies are sent to parents or guardians. The

reports are based upon the following systems of marking:

Grade 1, 95-100 per cent
Grade 2, 90- 95 per cent.
Grade 3, 80- 90 per cent.
Grade 4, 70- 80 per cent.
Grade 5, 60- 70 per cent.
Grade 6, below 60 per cent.

A student must attain a grade of 4 to pass in any study. Grade 5 indicates that the student is conditioned but may remove the deficiency by special examination, as explained above. Students receiving grade 6 must repeat the study to receive any credit for the same.

A student has the right to appeal as to the grading of his examination paper by his Instructor. The appeal must be made to the President within three months after the examination. The President will appoint a committee of three persons who shall consider the case and whose decision shall be final.

A student to be ranked as a Sophomore must have passed six courses; to be ranked as a Junior, fifteen courses; to be ranked as a Senior, twenty-six courses.

No first-year student who fails to pass at least four courses, and no second or third-year student who fails to pass six courses, shall be readmitted to any division of the University the following year except by a special vote of the Faculty or a delegated committee of the Faculty.

CERTIFICATES

A certificate is granted to a student who has completed with credit in a department all work required for a degree, together with elective work in the same department. (For detailed statement of requirements, see under the several departments of instruction.)

GRADUATION

Each Senior will be officially informed by the Registrar in September of all deficiencies standing against him.

The number of orations in the contest for the Mangum Medal is limited to four. The candidates must be Seniors in the College, the School of Applied Science, or the School of Commerce, and must announce their subjects to their respective Deans by Feb-

ruary 1. The orations shall be delivered in private before a committee of the Faculty on May 1, who shall decide upon the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

FRATERNITIES

Undergraduate students may join fraternities after registration in their Sophomore year. Fraternity men are not allowed to pledge Freshmen to join fraternities.

ATHLETICS

Organization

I. *The Faculty Committee on Athletics,* consisting of seven members, controls and directs all matters pertaining to the general athletic policy of the University, the eligibility of players, and the approval of schedules.

II. *The Athletic Council,* consisting of the graduate manager, the managers of all athletic teams, the editor of the *"Tar Heel,"* a member from the student body at large, and a member of the faculty, apportions the athletic funds.

III. *The Alumni Athletic Council,* consisting of the graduate manager and five alumni, one of whom must be a member of the faculty, has entire charge of the coaching staff.

Rules of Eligibility

The eligibility of players on the University athletic teams is governed by the Rules of Eligibility of the Southern Intercollegiate Conference (See page 88) and by the following:

1. No student will be allowed to take part in athletic contests entailing absence from the University whose parent or guardian objects to such partipication.

2. A student must have passed satisfactory examinations upon at least two full courses or their equivalent in his last quarter of attendance before he will be allowed to represent the University in any athletic contest. No student may be a candidate for the baseball team unless he has been in attendance during the preceeding winter quarter, without the express permission of the Faculty Committee on athletics.

3. Inasmuch as a member of an athletic team of this University enjoys special honor in thus representing the University, this privilege shall be withheld from any student whose scholastic

standing is discreditable. Any student reported as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any intercollegiate contest until the deficiency is made good.

4. No team will be allowed to be absent from the University for more than ten lecture days during any quarter.

5. The manager of each athletic team shall submit to the Committee on Athletics a schedule of all engagements before positive arrangements are made.

6. No student shall play upon any athletic team except after physical examination by the Director of the Gymnasium (or by a responsible expert officer of the University acting in his stead and at his request) and with the approval of the Director.

7. Before any student can become a member or a substitute member of any athletic team of the University and take part in any intercollegiate contest he must make application to the Committee on Athletics in the University and secure the indorsed approval of that committee to his application. It shall be the duty of the Faculty Committee on Athletics to have the Registrar of the University indorse such applications to the effect that the applicant is a registered student of the University and has completed the scholastic requirements.

8. It is the duty of the Faculty Committee on Athletics to inquire into the athletic record of the applicant and it shall be the duty of the applicant to appear before the committee and answer on his honor such questions as the committee may see fit to ask.

9. It is the duty of the Faculty Committee on Athletics to require a pledge in writing of the applicant, certifying on his honor that he has never accepted, directly or indirectly, remuneration, compensatory gift, valuable consideration, or promise thereof for his athletic services. The applicant must satisfy the committee that he is in the proper and strict sense of the word an amateur before the committee indorses his application.

10. It is the duty of the graduate manager, the members of the coaching staff, the president and the treasurer of the Athletic Association, the members of the Athletic Council, the director of the gymnasium, and the captain of the team concerned to furnish the Faculty Committee on Athletics, on request, a statement to the effect that each member of an athletic team is above their suspicion as to his eligibility to represent the University as an amateur before such player shall be allowed to take part in any contest.

Rules of Eligibility of the Southern Inter-Collegiate Conference

The following rules apply to all sports:

Rule 1.—*Bona Fide Students.* No one shall participate in any intercollegiate contest unless he is a bona fide matriculated student regularly enrolled and doing full work as defined by the regulations of the institution in which he is enrolled.

Rule 2.—No person shall participate in intercollegiate athletics at an institution until after the expiration of twelve months from the date of his matriculation there, and until he shall have completed the scholastic requirements of that institution.

Rule 3.—*Attendance.* No student having been a member of any athletic team of his college during any year and having been in attendance less than six months of the college year shall be permitted to participate in any intercollegiate contest thereafter until he shall have been in attendance six calendar months.

Note.—Attendance during Summer Sessions is not counted as "attendance" for the purposes of this rule.

Rule 4.—*Migrant Students.*

(a) No student who has participated in any intercollegiate contest as a member of any college team and who afterwards matriculates in an institution of this Conference shall be permitted to participate in any intercollegiate contest as a member of any team.

(b) Students who have pursued courses of study at one university or college but who have not participated in any intercollegiate contest, shall be eligible to participate in intercollegiate athletics at another institution, but only when they have satisfied the conditions as set forth in Rule 2—the one-year residence rule.

Rule 5.—*Limit of Participation.* Participation in intercollegiate athletics shall be limited to three years, over a five-year period, counting from the time of first matriculation. Participation in any intercollegiate sport in any college year shall constitute one year of athletic participation.

Rule 6.—*Compensation.*

(a) No person who receives any compensation from his institution for services rendered by way of regular instruction shall be allowed to participate in intercollegiate contests.

(b) No person shall be allowed to participate in any intercollegiate contest who receives any gift, remuneration or pay for his services on a college team.

(c) No person shall be permitted to participate in any intercollegiate contest who has ever used or is using his knowledge of athletics or his athletic or gymnasium skill for gain.

Note.—This rule does not apply to any person who has work in connection with a playground or a summer camp where the requirements do not call for a man with technical preparation in physical training.

Rule 7.—*Summer Baseball.* No student shall be eligible if he plays summer baseball for more than expenses as follows: First class railroad fare, including parlor car and single berth sleeping car fares actually paid and the amount actually paid for meals and lodging, which amount for meals and lodging shall not exceed $7.00 per day, and the amount for any single meal shall not exceed $2.00; no payment for loss of time or wages shall be received either directly or indirectly.

Rule 8.—No student shall be eligible to participate in intercollegiate contests if he has played on any baseball team which is a member of an organized league operating under the National agreement and under supervision of the National Baseball Commission.

To the list of professional teams thus proscribed shall be added all league teams in any State which the Conference Institutions of such State declare professional and from which they debar their own players.

Rule 9.—*Assumed Name.* No person shall take part in any intercollegiate contest under an assumed name.

Rule 10.—*Delinquency in Studies.* No student who is found delinquent in his studies by the faculty shall be permitted to participate in any intercollegiate contest.

Rule 11.—*Freshmen Teams.*

Freshmen teams shall be composed of members of the freshman class only, who shall not compete as such for more than one year, who shall be eligible under the general rules, with the exception of the one year rule.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council and the Campus Cabinet, respectively.

THE STUDENT COUNCIL

G. B. Porter, *President.*
T. Turner, *Secretary.*

E. E. Moore	T. E. Jones
M. W. Nash	C. M. Llewelyn

L. J. Phipps.

The Student Council is composed of eight members, as follows: the presidents of the three upper academic classes, one representative from each of the professional schools, one representative elected from the student body at large, and one representative elected by the other seven members of the Council. The member elected by the Council must be chosen from among those who have served on the Council before. The President of the Senior Class is *ex officio* Chairman of the Council, and the President of the Junior Class *ex officio* Secretary

Student government, in so far as it is disciplinary, is based upon the honor system. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the head of the honor system. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the course to be pursued. If the student is found guilty of conduct unworthy of a

University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating on examination, and gambling.

THE CAMPUS CABINET

W. C. Murchison, *President.*
E. H. Hartsell, *Secretary.*

J. V. Ambler	H. F. Comer
T. B. Aycock	F. L. Grier
L. J. Phipps	L. J. Holloman
G. B. Porter	R. H. Frazier
S. M. Cathey	George Sparrow
T. Turner	Adeline Denham

The Campus Cabinet is an organization composed of representative students selected as follows:

1. Presidents of the four academic classes.
2. One representative elected by each of the three upper academic classes.
3. One representative elected by each of the professional schools, by the Pan-Hellenic Council and by the Woman's Association.
4. The President of the Campus.
5. The General Secretary of the Y. M. C. A.

The object of this organization is to study campus conditions and campus problems and to relate them to the "greater University." It attempts to work out all problems the solution of which would make life of the students more wholesome and more enjoyable. It is not an executive body, mainly, but a suggestive body. It takes up such questions as the social life of the students, the athletic situation as it concerns the entire student body, dormitory improvements, and many other things that it thinks will benefit the students. It is a flexible body and is always ready to discuss and aid any worth while matter that a student presents to it.

PUBLIC LECTURES

ARCHIBALD HENDERSON, *Chairman, Committee on Public Lectures.*

THE JOHN CALVIN McNAIR LECTURES

The lecture fund established by the will of John Calvin McNair, of the class of 1849, became available in 1906, and the interest therefrom rendered it possible to begin the lectures in 1908. The honorarium for the lectures amounts to $500, and the remainder of the interest from the fund provides for the suitable publication of the lectures. Under the will the objects of the lectures "shall be to show the mutual bearing of science and religion upon each other and to prove the existence of attributes (as far as may be) of God from nature."

The lectures for 1908 were delivered by Professor Francis H. Smith, LL.D., of the University of Virginia. The three lectures were:

1. The general theme: God Manifest in the Material Universe.
2. His Attributes as Manifested in Physics.
3. His Attributes as Manifested in Astronomy.

The lectures for 1909 were delivered by President Francis Landey Patton, D.D., LL.D., of Princeton Theological Seminary, New Jersey. The four lectures were:

1. The Authority of the Bible.
2. The Authority of the Church.
3. The Authority of Christ.
4. The Authority of the Reason.

The lectures for 1910 were delivered by President David Starr Jordan, Ph.D., M.D., LL.D., of Leland Stanford, Jr., University, California. The lectures were on the theme:

The Stability of Truth.

The lectures for 1911 were delivered by Professor Henry Van Dyke, D.D., L.L.D., of Princeton University. The three lectures were:

1. The Poetry of Nature.
2. The Poetry of Patriotism and Humanity.
3. The Poetry of the Unseen World.

The lectures for 1912 were delivered by President Arthur Twining Hadley, A.M., LL.D., of Yale University. The three lectures on the general subject, Some Tendencies of Modern Philosophic Thought, were:

1. Changed Conceptions of Science.
2. New Views of Ethics and of Politics.
3. The Spiritual Basis of Modern Literature.

The lectures for 1913 were delivered by Professor Francis G. Peabody, A.M., D.D., LL.D., of Harvard University. The three lectures were:

1. The Practicability of the Christian Life.
2. The Christian Life and the Modern Home.
3. The Christian Life and Modern Business.

The lectures for 1914 were delivered by President George Edgar Vincent, Ph.D., LL.D., of the University of Minnesota. The title of the series was The Social Vision, and the lectures were:

1. The Sense of the State.
2. The Larger Selfishness.
3. The Kingdom of God.

The lectures for 1915 were delivered by Professor John Dewey, Ph.D., LL.D., of Columbia University. The three lectures on the general theme, Philosophy and Politics, were:

1. The Division into the Inner and the Outer World.
2. The State and Moral Life.
3. The Philosophy of History.

The lectures for 1916 were delivered by Dean Frederick J. E. Woodbridge, A.M., LL.D., of Columbia University. The title of the series was The Purpose of History, and the three lectures were:

1. From History to Philosophy.
2. The Pluralism of History.
3. The Continuity of History.

The lectures for 1917 were delivered by Professor Hugh Black, M.A., D.D., of Union Theological Seminary. The title of the

series was The Great Questions of Life, and the three lectures were:

1. Is God?
2. Has God said?
3. Shall Man Say to God?

No lecture on this foundation was delivered in the war year, 1918.

The lectures for 1920 were delivered by Professor Edwin Grant Conklin, Sc.D., of Princeton University. The title of the series was "The Direction of Human Evolution," and the lectures were:

1. The Possibilities of Human Evolution.
2. Evolution and Democracy.
3. Evolution and Religion.

The lectures for 1921 were delivered by Professor Paul Shorey, of the University of Chicago. The title of the series was "Plato's Relation to the Religious Problem," and the lectures were:

1. Plato and the Irreligion of Pseudo-Science.
2. Plato and Natural Theology.
3. Plato and Ethical Religion.

THE WEIL LECTURES

During the years 1914-1915 an unendowed lectureship on American Citizenship was established by the University. The first incumbent was ex-President William Howard Taft, who lectured on "The Presidency: Powers, Duties, Obligations and Responsibilities." Since that time this foundation, named the Weil Lectures on American Citizenship, has been permanently established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, of Goldsboro, N. C.

The first incumbent on the Weil establishment (1915-1916) was Professor George Brinton McClellan, of Princeton University. The title of the series was American Citizenship, and the three lectures were:

1. The Nation.
2. The Law.
3. The Citizen.

The series for 1916-1917 was delivered by Mr. James A. Macdonald, editor of the *Toronto Globe*. The title of the series was The North American Idea, and the lectures were:

1. The North American Idea in the American Republic.
2. The North American Idea in the Canadian Dominion.
3. The North American Idea and America's Internationalism.

There was no series delivered in 1917-1918, owing to war conditions.

The series for 1918-1919 was delivered by Professor Jacob H. Hollander of Johns Hopkins University. The title of the series was American Citizenship and Economic Welfare, and the lectures were:

1. The Weal of the Nation.
2. The Citizen as Producer.
3. The Citizen as Consumer.

The series for 1919-1920 was delivered by the Hon. Robert Goodwyn Rhett, ex-President of the Chamber of Commerce of the United States. The title of the series was American Citizenship, and the lectures were:

1. Social America.
2. Political America.
3. Industrial America.

The series for 1920-1921 was delivered by Professor William Bennett Munro of Harvard University. The title of the series was Personality in Politics, and the lectures were:

1. Personality in City Politics—Some Notable American Mayors.
2. Personality in Ward Politics—American Bosses of the Past Generation.
3. Personality in Reform Politics—Why Reformers so often Fail.

UNIVERSITY LECTURES

The following University lectures were delivered during the session of 1920-1921:

Edward T. Devine: American Ideals, True and False.

Lorado Taft—two illustrated lectures:

One Hundred Masterpieces of Sculpture.

American Sculpture and Sculptors.

William E. Dodd: The Frustrated Idealism of Woodrow Wilson.

John A. Lomax: Cowboy Songs and Ballads.

THE SOUTHERN EXCHANGE LECTURESHIP

In 1914 an exchange lectureship was established by Vanderbilt University, the University of Virginia, the University of South Carolina and the University of North Carolina. Under the terms of this lectureship each university will send a lecturer to and will be visited by a lecturer from one of the other universities participating in the lecture foundation. The purposes of this lectureship are: to promote scholarship, to present in concrete form recent advances in some special branch of learning, and to bring the institutions concerned into closer relationship through exchange of ideas in regard to all vital problems affecting a modern university.

The exchange lecturer to the University for 1920-1921 was Professor E. Marion Rucker, Head of the Law Department, University of South Carolina. Professor Edwin Greenlaw, Head of the English Department, delivered the lectures at the University of Virginia.

UNIVERSITY SERMONS

Under the auspices of a Faculty Committee, University Sermons are delivered throughout the year in the College Chapel by prominent clergymen.

The sermons for the session 1920-1921 were delivered by:

Rev. Dr. John Jeter Hurt of Wilmington, N. C.

Rev. Geo. M. Mathis of Clinton, N. C.

UNIVERSITY ORGANIZATIONS

THE GENERAL ASSEMBLY OF THE PHILANTHROPIC LITERARY SOCIETY, AND THE DIALECTIC LITERARY SOCIETY

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

In 1919 the Philanthropic Society reorganized itself after the plan of the General Assembly of North Carolina, and is now the General Assembly of the Philanthropic Literary Society, and conducts its meetings as a legislative assembly.

Each society owns a large, handsomely furnished hall, the walls of which are hung with oil portraits of illustrious members, including a President of the United States, Cabinet members, Governors, etc. Meetings are held by each society every Saturday evening of the college year, admission being confined to members. Public contests in debate between the two societies are conducted throughout the year, culminating in the annual Commencement debate. There is also held each year a system of intercollegiate debates and oratorical contests.

By immemorial custom, students from the eastern half of the State usually join the Philanthropic Society, while those from the western half join the Dialectic Society (Chapel Hill being regarded as the dividing line). Although membership in these societies is entirely optional, it is earnestly recommended by the Faculty as furnishing unusual opportunities not only for literary culture, but also for the development of self-control and the power to persuade and control others.

ELISHA MITCHELL SCIENTIFIC SOCIETY

William deBerniere MacNider, M.D., *President.*
William Frederick Prouty, Ph.D., *Vice-President.*
James Munsie Bell, Ph.D., *Permanent Secretary.*

HENRY ROLAND TOTTEN, A.M., *Recording Secretary and Treasurer.*
WILLIAM CHAMBERS COKER, Ph.D.
JAMES MUNSIE BELL, Ph.D.
COLLIER COBB, D.Sc.
} *Editors of the Journal of the Elisha Mitchell Scientific Society.*

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A *Journal,* which is the official organ of the Society and of the North Carolina Academy of Science, is issued quarterly. The object of the society is to encourage scientific research and to record results of such work, especially those that pertain to the natural history of the state. The membership is at present restricted to the faculty and students of the University, and members of the staff of the Geological Survey.

At the monthly meetings, which are held on the second Tuesday of each month, excellent opportunities are afforded the students to get beyond the ordinary routine of the classroom by hearing readings and discussions of papers resulting from the research work in all the scientific departments of the University, also talks by the alumni engaged in scientific research, and discussions of the important scientific discoveries. It gives the students and faculty a broader outlook and sympathy for scientific research in fields other than their own special one, a sympathy which is impossible in the smaller departmental societies.

The *Journal* is more than a bulletin of the scientific laboratories of the University. It contains original papers on scientific subjects by scientific men and research students throughout the Southern States. It also publishes the Proceedings of the Elisha Mitchell Scientific Society and the Proceedings of the North Carolina Academy of Science, as well as abstracts of papers on scientific subjects published elsewhere by members of the faculty and alumni of the University. It is now in its thirty-seventh year. The volumes already issued contain more than five thousand four hundred pages. By the exchange of the *Journal* with more than three hundred scientific journals and periodicals many thousand of books and pamphlets have been collected, all of which are arranged in the University Library.

THE NORTH CAROLINA HISTORICAL SOCIETY

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., *Permanent Secretary.*

The North Carolina Historical Society was founded in 1833 by Governor David L. Swain. When Governor Swain became

President of the University, the Society was moved from Raleigh to Chapel Hill. Under his leadership it became the center of historical work in the State and the medium of many notable contributions to the history of the State. On March 22, 1875, through the activity of Kemp Plummer Battle, LL.D., the Society was chartered by an act of the General Assembly. The purpose of the Society is to collect, classify, and publish material illustrative of the history of the State. The Society possesses a valuable collection of books, pamphlets, manuscripts, newspaper files, coins, and other objects of historic interest. The educational aim of the Society is to create a love for historical study and to give training in scientific methods of historical investigation.

THE NORTH CAROLINA CLUB

Claude James Williams, *President.*
Samuel Huntington Hobbs, Jr., *Secretary and Treasurer.*
Eugene Cunningham Branson, *Chairman Steering Committee.*
Jonathan Greene Gullick, *Chairman Publicity Committee.*

The North Carolina Club was organized September 25, 1914, in Gerrard Hall. Its purpose is to review, interpret, and discuss the economic, social, and civic problems of the State. These problems are being explored, county by county, by the county clubs of the University student body. The scope and details of the volunteer work of the county clubs are set forth in The University Extension Bulletin, No. 9, under the title, Home County Club Studies. Every other Monday night throughout the college year the North Carolina Club meets for a discussion of statewide questions. The Club fills a column in the University News Letter every week. The final aim of the county clubs is a brief bulletin upon the economic and social problems of every county in the State. The studies of the North Carolina Club are given to the public in its annual Year-Book.

THE PHILOLOGICAL CLUB

John Manning Booker, Ph.D., *President.*
Oliver Towles, Ph.D., *Vice-President.*

The Philological Club meets on the first Tuesday evening of each month during the college year. Its membership consists of the instructors and advanced students in the language departments of the University. The object of the Club is to stimulate

original investigation in philology and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed. The Club publishes a journal of four issues a year whose contents are contributed by the members. All persons interested in the work of the Club are invited to attend its meetings.

DER DEUTSCHE VEREIN

ALBERT BACHMANN, Ph.D., *Director.*

The Verein was established for the purpose of stimulating interest among the officers and students of the University in German life. Weekly meetings are held throughout the year, at which the German language only is employed. Subjects of general interest pertaining to German literature, history, social life, and politics are informally discussed. An effort is made to provide students of German with an opportunity to perfect their pronunciation and to improve their control of the spoken language. It is part of the purpose of the Verein to arrange from time to time for public lectures in German. All officers and students of the University interested in the study of German are eligible to membership.

LE CERCLE FRANCAIS

LEONARD EPSTEIN, *President.*
THOMAS SIMMONS HOWARD, *Secretary and Treasurer.*

Le Cercle Francais holds weekly meetings at which topics of general interest pertaining to French literature and French life, manners and customs are discussed. The French language is employed exclusively. It is the aim of the club to stimulate interest in the French language, to provide its members with an opportunity to hear idiomatic French spoken, and to use the language with more facility. All officers and students of the University interested in the study of French are eligible to membership.

EL CENTRO HISPANO

STURGIS ELLENO LEAVITT, *President.*
JOHNSTON VANNOY MCCALL, *Vice-President.*
WYATT ANDREW PICKENS, *Secretary.*
JUNIUS HORNER COOPER, *Treasurer.*

The Centro Hispano meets on the second and fourth Mondays of each month during the college year. Its membership con-

sists of the instructors in Spanish, members of the community who speak the language, and students of the University who have shown distinction in courses in Spanish. The object of the club is to stimulate interest in the language, literature and customs of Spain and Hispanic America, to provide its members with an opportunity to hear idiomatic Spanish spoken, and to use the language with more facility.

MUSIC CLUB

The Music Clubs consist of the Glee Club, the Orchestra, the Band and the Guitar and Mandolin Club. These organizations are representative of the musical talent of the University, and receive their direction from the Department of Music. They furnish music for numerous occasions on the campus, and each year they make concert tours in different parts of North Carolina. Membership in these clubs is gained thru competitive try-outs.

MUSICAL ACTIVITIES

A series of free Sunday afternoon concerts is provided by the department of music, the concerts coming on the first Sunday of each month during the school year. These are given by members of the department, by students and student organizations, and by visiting artists.

A series of artist recitals is provided each year by the department of music, some of the world's greatest musicians being brought in this way to the campus.

A community chorus gives programs twice each school year, and is open to members of the faculty and student body and citizens of Chapel Hill.

At least once each year the department of music produces a light opera with cast of principals and chorus taken from the student body and with accompaniment by the University Orchestra. Membership in the casts of these productions is open, thru competitive try-outs, to the entire student body.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

University of North Carolina Branch

Roy Madison Casper, *President.*
Calvin Upshur Smith, *Vice-President.*
John Raymond Purser, Jr., *Treasurer.*
Rufus Guyn Koontz, *Secretary.*

The aim of the Branch is to stimulate interest in modern problems in the various fields of electrical engineering, to provide a

means for students to discuss in public various questions of a technical nature and to give them an opportunity for practice in thinking on their feet. The Branch meets semi-monthly. The papers consist of original discussions and abstracts of papers presented before the regular Institute meetings. Membership in the Branch is open to all students who are interested in electrical engineering, and all enrolled members receive the regular monthly Proceedings of the Institute.

AMERICAN SOCIETY OF CIVIL ENGINEERS

The William Cain Student Chapter

H. G. BAITY, *President.*
L. W. FISCHEL, *Vice-President.*
R. C. MAY, *Treasurer.*
L. I. LASSITER, *Secretary.*

The purpose of the Chapter is to afford the Civil Engineering students practise in the preparation and presentation of engineering papers; to give a working knowledge of parliamentary law; to develop the ability to speak extemporaneously; and to provide a contact between students, faculty and visiting engineers.

The Chapter meets on Thursday of each week, and six times during the year social meetings are held, to which are invited successful practising engineers.

The Chapter receives all the publications of the Society and its members are accorded the privilege of attending any of the Society meetings.

Membership is open to all students of the Civil Engineering Department.

THE CAROLINA PLAYMAKERS

FREDERICK HENRY KOCH, *Director.*
ALVIN SAWYER WHEELER, *Treasurer.*
GEORGE VERNON DENNY, JR., *Businesss Manager.*

The Carolina Playmakers is a dramatic organization. It is incorporated under the laws of the State of North Carolina as a non-stock corporation. The members of the corporation are President Chase; Professors Greenlaw, Koch, Henderson, Wheeler, McGehee, Graham, and Coker; Messrs. Woollen and Denny; and Miss Elizabeth Lay.

Its purpose, as set down in the Charter, is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays; Second, to serve as an experimental theatre

for the development of plays truly representative of the traditions and present-day life of the people; Third, to extend its influences in the establishment of a native theatre in other communities."

The *Carolina Folk-Plays are* written in the University courses in Dramatic Composition and the work of production is done by members of the community of Chapel Hill—students, faculty, and townspeople. Those who contribute to the writing or producing of the plays constitute the membership of the organization. Any student may participate in any of the various departments of the work.

YOUNG MEN'S CHRISTIAN ASSOCIATION

Executive Council.

Harry F. Comer, *General Secretary.*
C. J. Williams, *President.*
S. O. Bondurant, *Vice-President.*
F. A. Grissette, *Secretary.*
G. H. Leonard, *Treasurer.*
C. L. Moore, *Finan. Camp. Manager.*

Advisory Board

W. D. Moss, *Chairman.*
D. D. Carroll, *Board Treas.*
H. W. Chase.
F. P. Graham.
F. F. Bradshaw.
L. A. Williams.
L. J. Phipps.

The Young Men's Christian Association is an organization of students which seeks by precept and example to encourage right and wholesome Christian living. In this spirit it endeavors to extend a helping and active influence to every sphere of campus activity, athletic, academic, social, and so on.

Not unaware of its essentially religious nature, it strives in every feasible way to make the religion of the campus very real and very genuine; and to uphold the Christian life as the ideal in conduct, thought, and temperament for every man. To those who are so inclined it offers unlimited opportunity for religious service. Through its support of rural Sunday-Schools, its Bible and Missions studies, its religious meetings, its Deputation Teams to High Schools, its Special lectures and Institutes, its Evangelistic Campaign, and its personal associations it affords every man a medium of expression in service to the Christian cause.

For an additional number it offers opportunity for community and social service. Through its work for new students, the yearly

handbook and directory, bureau of employment, exchange of lost and found articles, lyceum courses, socials, receptions, and similar activities, many students are enabled to give to the community that measure of useful service which would otherwise remain wholly unexpressed.

This year, in addition to a general enlarging of the scope of the Association's work, there have been added two elements of invaluable worth as advisory and steadying influences: a Woman's Auxiliary and an Advisory Board. Through the former the women of the University and community are given opportunity of helping shape the growth and tendencies of the Association; through the latter the same opportunity is afforded the men of the faculty, churches, and town in general.

The Departments

The work of the Association is organized as follows:

I. Study Department.—S. O. Bondurant, *Chairman.*

II. Meetings Department.—R. F. Marshburn, *Chairman;* Music, J. G. Barden.

III. Extension Department.—M. W. Nash, *Chairman,* Freshmen Letters,—

IV. Campus Department.—C. A. Holshouser, *Chairman.* Building, J. V. McCall, Information, C. J. Williams.

V. Boys Department.—H. D. Farrell, *Chairman.* Scouts, Edw. Lanier.

VI. Freshman Department.—Edw. Scheidt, *Chairman.*

VII. Financial Department.—G. H. Leonard, *Chairman.* Campaign, C. L. Moore.

VIII. Negro Department.—W. A. Lillycrop, H. D. Duls, *Chairman.*

IX. Rural Department.—M. C. Bowden, *Chairman.*

X. Social Department.—M. W. Nash, *Chairman.*

XI. Freshman Handbook.—J. J. Wade, *Chairman.*

XII. Deputation Work.—H. F. Comer, *Chairman.*

THE ASSOCIATIONS OF THE ALUMNI

THE GENERAL ASSOCIATION

ALBERT L. COX, *President.*
E. R. RANKIN, *Secretary.*

Executive Committee

WALTER MURPHY, '92; DR. R. H. LEWIS, '70; W. N. EVERETT, '86; H. E. RONDTHALER, '93; C. W. TILLETT, JR., '09.

The plan of organization adopted by the General Association of the Alumni on June 2, 1911, is as follows:—1. A deliberative body to be known as *The General Assembly of the Alumni of the University of North Carolina*, composed of *delegates* from the Local Associations, to meet yearly on such day of Commencement Week as has been previously arranged. 2. A directing board of fifteen to be known as *The Alumni Council*, elected by the General Assembly, the officers of which board shall be officers of the General Assembly. 3. Local Associations to be known by the names of their respective counties and towns. For a printed form of this constitution in detail application should be made to Mr. William S. Bernard, Chapel Hill, N. C.

Membership in the General Association of the Alumni includes all persons who have matriculated at the University of North Carolina in any department except the Summer School, and all who are or have been officers of the institution.

LOCAL ASSOCIATIONS

ALAMANCE COUNTY ALUMNI ASSOCIATION, Burlington, N. C.
W. H. Carroll, *President.*
Boyd Harden, *Secretary.*

ANSON COUNTY ALUMNI ASSOCIATION, Wadesboro, N. C.
W. L. McKinnon, *President.*
B. V. Henry, *Secretary.*

BEAUFORT COUNTY ALUMNI ASSOCIATION, Washington, N. C.
S. C. Bragaw, *President.*
C. F. Cowell, *Secretary.*

BERTIE COUNTY ALUMNI ASSOCIATION, Windsor, N. C.
Francis D. Winston, *President.*
Francis Gillam, *Secretary.*

BUNCOMBE COUNTY ALUMNI ASSOCIATION, Asheville, N. C.
T. S. Rollins, *President.*
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CABARRUS COUNTY ALUMNI ASSOCIATION, Concord, N. C.
L. T. Hartsell, *President.*
Cameron MacRae, *Secretary.*

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Horace Sisk, *President.*
J. T. Pritchett, *Secretary.*

CATAWBA COUNTY ALUMNI ASSOCIATION, Hickory, N. C.
W. A. Self, *President.*
Wilson Warlick, *Secretary.*

CHAPEL HILL ALUMNI ASSOCIATION, Chapel Hill, N. C.
M. C. S. Noble, *President.*
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CHATHAM COUNTY ALUMNI ASSOCIATION, Pittsboro, N. C.
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CHEROKEE COUNTY ALUMNI ASSOCIATION, Murphy, N. C.
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M. A. Stroup, *President.*
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CHOWAN COUNTY ALUMNI ASSOCIATION, Edenton, N. C.
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P. O. Jarvis, *President.*
N. G. Gooding, *Secretary.*

Cumberland County Alumni Association, Fayetteville, N. C.
C. W. Rankin, *President.*
R. S. McNeill, *Secretary.*

Davidson County Alumni Association, Lexington, N. C.
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Durham County Alumni Association, Durham, N. C.
R. H. Sykes, *President.*
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Edgecombe County Alumni Association, Tarboro, N. C.
R. G. Allsbrook, *President.*
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Elon College Alumni Association, Elon College, N. C.
W. C. Wicker, *President.*
T. C. Amick, *Secretary.*

Forsyth County Alumni Association, Winston-Salem, N. C.
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E. W. Turlington, *Secretary.*

WESTERN PENNSYLVANIA ALUMNI ASSOCIATION, Pittsburgh, Pa.

C. B. Carter, *President.*
P. B. Bryan, *Secretary.*

PART THREE

THE COLLEGE OF LIBERAL ARTS

THE SCHOOL OF APPLIED SCIENCE

THE SCHOOL OF EDUCATION

THE SCHOOL OF COMMERCE

THE SCHOOL OF PUBLIC WELFARE

THE GRADUATE SCHOOL

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE

THE SCHOOL OF PHARMACY

THE SUMMER SCHOOL

THE EXTENSION DIVISION

THE COLLEGE OF LIBERAL ARTS

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*
GEORGE HOWE, Ph.D., *Dean.*

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WALTER DALLAM TOY, M.A., *Professor of the Germanic Languages and Literatures.*

JAMES FINCH ROYSTER, Ph.D., *Kenan Professor of English.*

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., *Kenan Professor of History and Government.*

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics.*

ARCHIBALD HENDERSON, Ph.D., D.C.L., *Professor of Mathematics.*

WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*

EDGAR WALLACE KNIGHT, Ph.D., *Professor in Rural Education.*

LUCIUS POLK MCGEHEE, A.B., *Professor of Law.*

REQUIREMENTS FOR ADMISSION

See page 58.

EXPENSES

See page 71.

COURSES LEADING TO THE DEGREE OF BACHELOR OF ARTS

The course leading to the degree of Bachelor of Arts, is designed to provide a general, well-rounded, liberal education.

In order to be recommended for the degree a student must pass satisfactory examinations in thirty-six whole courses.

A whole course consists of five (six in the case of certain laboratory courses) class periods a week for one quarter. A half course consists of three class periods a week for one quarter. Two

half courses are equivalent to one whole course. Each class period pre-supposes two hours of preparation or the equivalent in laboratory work.

In the first two years the student pursues a more or less definite curriculum in the following subjects:

English	three courses
Foreign Languages	three courses in each of 2 languages
History	two courses
Mathematics	two courses
Science	two courses

Beginning with the Junior year the work is on an elective basis, providing what is deemed a proper amount of concentration in study and, at the same time, a certain distribution of subjects.

Students who expect at some time to carry out investigation in any science or scientific profession, such as medicine or engineering, are earnestly recommended to enter upon their Senior year with a reading knowledge of German and French. Class work in these subjects should have included at least four courses in German and two in French.

Freshman Year

English 1
Mathematics 1-2
History 1-2

Select two: Greek 3-4; Latin 1-2; French 3-4; German 3-4; Spanish 3-4

By postponement of any one of these double courses until Sophomore year, a double course in Science (Botany 1, 2; Chemistry 1-2; Zoology 1, 2) may be taken in Freshman year.

Not more than three courses may be taken in any one term except by special permission of the Administrative Board.

Sophomore Year

English 3-4

Select one: Botany 1, 2; Chemistry 1-2; Physics 1, 2; Zoology 1, 2; Botany 1 and Zoology 1

Select two: Greek 5; Latin 3; French 5; German 21*; Spanish 5

Elective, 3 Courses

* German 23 or 25 may be substituted.

If a course in Science be taken in Freshman year, the Freshman course then postponed must be taken in place of the course in Science required of Sophomores.

Not more than three courses may be taken in ony one quarter except by special permission of the Committee on Courses.

Sophomore Electives: Botany 1, 2; Chemistry 1-2; Economics 1-2, 15; English 13-14-15, 16-17-18, 20, 37, 38, 51, 55, 59, 66; Geology 1-2; German 3-4, 21, 22, 23, 25-26; Greek 5, 6, 11; History 3-4, 7-8, 9-10, 11; Government 1-2; Latin 3, 5, 6, 10; Mathematics 3, 4, 5; Physics 1, 2; Psychology 1-2, 10-11-12; French 3-4, 5, 6; Spanish 3-4, 5, 6; Zoology 1, 2.

SYSTEM OF ELECTIVES

For the purpose of providing for the required concentration and distribution of electives in the Junior and Senior year, the various departments of the College are grouped under three general divisions, as follows:

Division I. *Language and Literature.*

Department of English.
Department of German.
Department of Greek.
Department of Latin.
Department of Romance Languages.

Division II. *Philosophy, Political and Social Sciences.*

Department of Economics.
Department of Rural Social Science.
Department of Education.
Department of History.
Department of Philosophy.
Department of Sociology.

Division III. *Mathematics, Natural Sciences.*

Department of Botany.
Department of Chemistry.
Department of Geology.
Department of Mathematics.
Department of Physics.
Department of Psychology.
Department of Zoology.

Junior Year

Not later than May 15 of the Sophomore year each student shall hand in to the Registrar a list of electives for Junior year, specifying the department chosen for concentrated study and the particular courses in this and other departments. This list must have the written approval of the head of the chosen department before it will be accepted by the Registrar.

A Junior shall pursue elective studies amounting to nine courses, chosen according to the following regulations:

Each student is required to elect, in each quarter, either three whole courses or two whole courses and two half courses. A student will be permitted to take not more than three whole courses and one half course in any one quarter, and in no case will he be permitted to pursue more than four studies at one time.

One department must be selected for concentrated study from one of the three general divisions. Not less than three courses nor more than five courses may be elected in this department. The courses and the number of hours are to be decided upon only after consultation with the head of the department. It lies within the discretion of the head of the department whether the five courses shall be prescribed in his own department, or any part of them in allied departments. The Sophomore elective, completed the previous year, may be counted by the head of the department as one of the courses necessary for the minimum of three courses; but in that case an additional elective (chosen from any department) must be taken to complete the general requirement of nine courses.

The remaining courses (four to six) are free electives, subject only to the restriction that at least one course must be chosen from a department in each of the other general divisions. One of these two courses should be selected with a view to a continuance of the same subject in Senior year (see Senior requirements).

The remaining hours, if any, shall be free electives in any subject open to Juniors.

Senior Year

Not later than May 15 of the Junior year each student shall hand in to the Registrar a list of electives for Senior year, specifying the department for concentrated study and the particular courses in this and other departments. This list must have the written approval of the head of the chosen department before it will be accepted by the Registrar.

A Senior shall pursue elective studies amounting to nine courses, chosen according to the following regulations:

Each student is required to elect, in each quarter, either three whole courses or two whole courses and two half courses. A student will be permitted to take not more than three whole courses and one half course in any one quarter, and in no case will he be permitted to pursue more than four studies at one time.

A Senior shall continue in the department of concentrated study begun in Junior year. Not less than three courses nor more than five courses may be elected in this department. The courses and the number of hours are to be decided upon only after consultation with the head of the department. It lies within the discretion of the head of the department whether the five courses shall be prescribed in his own department, or any part of them in allied departments.

The remaining courses (four to six) are free electives, except that at least two courses must be chosen from one of the other general divisions and in a department in which a course was elected in Junior year.

DEGREES WITH DISTINCTION

Honor of two grades, *Honors* and *Highest Honors,* will be awarded at Commencement to those candidates for the degree of Bachelor of Arts who have done distinguished work in a group of related subjects. Every candidate for Honors must register before October 15 of his Junior year with the Committee on Degrees with Distinction. He shall file a statement, properly approved, of the courses which he proposes to elect, and these electives shall be such as to show a unified plan and to provide for a field of concentrated study involving, as a rule, two departments within the division in which his major work lies. In connection with the regular courses, candidates are expected to do, in term-time and in vacations, a considerable amount of additional reading, or such other supplementary work as may be prescribed by the department. In every case such additional work must be closely related to the general plan of study adopted by the candidate. Students will have the guidance and assistance of special instructors, and small groups will be formed for the discussion of the reading and of the courses. This tutorial assistance will be entirely independent of the conduct of the courses, the object being to stimulate interest in reading not required as a part of the regular class-work for its culture value rather than for direct preparation for examinations.

Besides the careful organization of the plan of study and the conferences, a thesis and a final oral examination are required. The thesis need not necessarily be a contribution to knowledge,

but is designed to show the ability of the student to use his knowledge with intelligence and to interpret facts and his personal reaction upon the material studied in the courses or derived from the supplementary reading. The examination will test the candidate's knowledge of the whole field of concentrated study, and will also test his proficiency in a special topic within the general field. The aim of the entire plan of study is thus to secure, as far as possible, a conception of a field of learning as a unity; to prevent, through the various measures named above, undue emphasis on the separate courses as independent units; and to lay the foundation for right method through concentrated study in some part of the field.

The administration of the Honors courses is vested in a Committee on Degrees with Distinction, which consists of three representatives from each of the three divisional groups into which the Faculty of the College of Liberal Arts is divided. At present Honors are offered in the Division of Language and Literature on the following terms:

Requirements for Honors in Language and Literature

1. A reading knowledge of one language besides English.

2. Six courses chosen from those open to Juniors, Seniors, and Graduates. Of these, four are to be in one department of Language and literature, the other two may be (*a*) in another literature, or (*b*) in history, provided the courses are closely correlated with work in the major subject. But other combinations may be made, provided they show a definite plan.

3. In every case the major and minor groups constituting the six courses must show a definite relationship: *e. g.,* the study of a period, such as Romanticism in France, Germany, and England, this study including history as well as literature; or the study of a type, such as tragedy, in at least two literatures; or the study of the influence of some writer, for example, Plato, Vergil, Dante, Shakespeare, Goethe, on some literature other than his own. Other means of securing correlation may also be approved.

4. The principle of correlation is further carried out through (*a*) the provision for lecture courses in comparative literature; (*b*) the fortnightly conferences at which books and reading in connection with the entire scheme of study are discussed; (*c*) the provision for an extensive course of reading, to be done in residence or during vacations, such reading to be ordinarily independent of prescriptions for courses and designed to give a thorough grounding in the field of learning elected for the major subject; (*d*) the special seminars, at least one each year, through which provision is made for the intensive study of some subject during a limited

period under the guidance of a scholar from the faculty of some other university.

5. Acquaintance with the following subjects is to be gained within or outside courses regularly elected: (*a*) the history of the literature chosen for the major subject, including the principal masterpieces illustrating its development; (*b*) some acquaintance with the political and social history of the nation whose literature is so elected; (*c*) some acquaintance with the history and philology of the language. The extent of the candidate's knowledge of these topics, as well as of the field or topic chosen for intensive study, will be tested by an examination to be held near the end of the Senior year.

6. An essay of some length is to be written upon some topic belonging to the field chosen for intensive study. This essay must show (*a*) investigation and mastery of facts; (*b*) power of interpretation; (*c*) excellence in composition and style.

7. In estimating the value of the candidate's work due regard will be paid to the grades attained by him in his regular college courses, but the matter of grades is distinctly subsidiary to other considerations, such as the extent and quality of his reading, the maturity of his thought, and his ability to use his knowledge effectively.

THE SCHOOL OF APPLIED SCIENCE

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*
ANDREW HENRY PATTERSON, A.M., *Dean.*

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matics.

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neering.

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CLARENCE ADDISON HIBBARD, M.A., *Assistant Professor of English.*

REQUIREMENTS FOR ADMISSION

See page 58.

EXPENSES

See page 71.

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

In order to be recommended for the degree of Bachelor of Science, the student must have passed satisfactory examinations in all the studies required in one of the following courses outlined in this department, I, II, III, IV, and V. Each course combines instruction in certain sciences and their application to the arts, with certain other general studies deemed essential to a liberal education. These courses are designed to furnish the fundamental instruction and to prepare students to pursue the technical pro-

fessions to which they lead. The courses leading to the degree are five in number.

I. Bachelor of Science in Chemistry.
II. Bachelor of Science in Medicine.
III. Bachelor of Science in Geology.
IV. Bachelor of Science in Civil Engineering.
V. Bachelor of Science in Electrical Engineering.

I. BACHELOR OF SCIENCE IN CHEMISTRY

FRESHMAN YEAR.

Fall Quarter:

Chemistry 1E, General Descriptive Chemistry.
Mathematics 2E, Plane Trigonometry.
German 3, Composition and Literature.
Drawing 1, Mechanical Drawing. (Half Course.)

Winter Quarter:

Chemistry 2E, General Descriptive Chemistry.
Mathematics 1E, Algebra.
German 4, Composition and Literature.
Drawing 2, Mechanical Drawing. (Half Course.)

Spring Quarter:

Chemistry 31, Qualitative Analysis.
Mathematics 3E, Analytical Geometry.
English 10, Composition.

SOPHOMORE YEAR

Fall Quarter:

Chemistry 41, Quantitative Analysis.
Mathematics 4E, Calculus.
English 11, Technical Composition.

Winter Quarter:

Chemistry 42, Quantitative Analysis.
English 12, English and American Literature.
Physics 1, Mechanics, Sound, and Heat.

Spring Quarter:

Chemistry 61, Organic Chemistry.
Chemistry 8, Chemical Equations.
Chemistry 47, Technical Analysis.
Physics 2, Light, Electricity and Magnetism.

JUNIOR YEAR

Fall Quarter:

Chemistry 62, Organic Chemistry.
Chemistry 45, Quantitative Analysis.
Engineering 50a, Electrical Measurements.
Economics 1, General Course.

Winter Quarter:

Chemistry 81, Physical Chemistry.
Chemistry 46, Quantitative Analysis.
Engineering 50b, Electrical Measurements.
Economics 2, General Course.

Spring Quarter:

Chemistry 82, Physical Chemistry.
Chemistry 63, Organic Chemistry.
Engineering 50c, Electrical Measurements.
Economics, Elective.

SENIOR YEAR

Fall Quarter:

Chemistry 21, Research in Chemistry.
Chemistry 83, Physical Chemistry.
Chemistry 11, Industrial Chemistry.
Geology 3, Mineralogy.

Winter Quarter:

Chemistry 22, Research in Chemistry.
Chemistry 64, Organic Chemistry.
Chemistry 12, Industrial Chemistry.
Geology 4, Mineralogy.

Spring Quarter:

Chemistry 23, Research in Chemistry.
Chemistry 84, Physical Chemistry.
Chemistry 13, Chemistry of Foods.
Chemistry 18, History of Chemistry.

II. BACHELOR OF SCIENCE IN MEDICINE

FRESHMAN YEAR

Fall Quarter:
Chemistry 1.
Mathematics 1.
French 1.

Winter Quarter:
Chemistry 2.
Mathematics 2.
French 2.
English 1.

Spring Quarter:
Botany 1.
English 3.
French 3.

SOPHOMORE YEAR

Fall Quarter:
Physics 1.
Psychology 1.
French 4.

Winter Quarter:
Chemistry 44.
English 4.
Zoology 1.
German 1.

Spring Quarter:
Chemistry 61.
German 2.
Physics 2.

JUNIOR YEAR

Fall Quarter:
Chemistry 62.
German 3.
Zoology 3.

Winter Quarter:
German 4.
Elective, 2 courses.

Spring Quarter:
Elective, 3 courses.

III. BACHELOR OF SCIENCE IN GEOLOGY

FRESHMAN YEAR

Fall Quarter:

Geology 1, Introduction to Geology.
Mathematics 1, Algebra.
Chemistry 1, General Course.
Drawing 1, Freehand and Mechanical.

Winter Quarter:

Geology 2, Historical Geology.
Mathematics 2, Plane Trigonometry.
Chemistry 2, General Course.
Drawing 2, Freehand and Mechanical.

Spring Quarter:

English 1, Composition.
Mathematics 3, Analytical Geometry.
Chemistry 31, Qualitative Analysis.
German 3, or French 3, or Spanish 3.

SOPHOMORE YEAR

Fall Quarter:

Geology 3, Mineralogy.
Engineering 12a, Surveying.
Chemistry 41, Quantitative Analysis.
German 4, or French 4, or Spanish 4.

Winter Quarter:

Geology 4, Mineralogy.
Physics 1, General Course.
Chemistry 42, Quantitative Analysis.
Drawing 3, Topographical Drawing.

Spring Quarter:

Engineering 16c, Plane Table.
Physics 2, General Course.
Geology 7, Principles of Geology.
Geology 13, Petrology.

JUNIOR YEAR

Fall Quarter:

Geology 8, Field and Structural Geology.
Geology 11, Non-Metallic Minerals.
English 11, Technical Composition.
Economics 1, Principles of Economics.

Winter Quarter:

Geology 9, Stratigraphy.
Geology 12, Ore Deposits.
Geology 23, Soil Geology.
English 12, English and American Literature.

Spring Quarter:

Geology 10, Oil Geology.
Geology 24, Soil Geology.
Geology 42, Advanced Work in Mineralogy.

SENIOR YEAR

Fall Quarter:

Geology 18, Engineering Geology.
Geology 51, Advanced Field Geology.
Chemistry 11, Industrial Chemistry.
Chemistry 45, Fuel and Gas Analysis.

Winter Quarter:

Geology 21, Industrial Geography.
Geology 43, Mineral and Ore Deposits.
Chemistry 12, Industrial Chemistry.
Chemistry 46, Technical Quantitative Analysis.

Spring Quarter:

Geology 22, Commercial Geography.
Geology 25, Physiography.
Geology 52, Advanced Field Geology.

PREMEDICAL COURSE

FRESHMAN YEAR

Fall Quarter:

Chemistry 1.
*French 1 or German 1.
History 1.
Mathematics 1.

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* If the student enters with 2 units of French or German he should select French 3 or German 3.

Winter Quarter:

Chemistry 2.
French 2 or German 2.
History 2.
English 1.

Spring Quarter:

Chemistry 31.
English 3.
Botany 1.

SOPHOMORE YEAR

Fall Quarter:

Psychology 1.
Physics 1.
French 3 or German 3.
Chemistry 61.

Winter Quarter:

Chemistry 44.
Zoology 1.
English 4.
French 4 or German 4.

Spring Quarter:

Physics 2.
Zoology 2.
Physics 3.

IV. S. B. IN CIVIL ENGINEERING

FRESHMAN YEAR.

		*Class	Laboratory	Preparation	Total
Mathematics 1-2-3E	Algebra, Trigonometry, Analytics	3	3	6	12
Chemistry 1-2E	General Descriptive Chemistry	4fw	4fw	4fw	12fw
English 9abc	Conference Course			2	2
History 2E	Foundations of Modern Civilization	5s		5s	10s
Engineering 1abc	Mechanical Drawing and Descriptive Geometry		6		6
Engineering 3abc	Elementary Mechanics	3		5	8
Engineering 7c	Engineering Inspection-Trips		6s		6s
Engineering 11abc	Cement Laboratory		3	3	6

*The figures in the table are clock hours, The letters F. W. and S indicated Fall, Winter and Spring quartes.

IV. S. B. IN CIVIL ENGINEERING

SOPHOMORE YEAR

		*Class	Laboratory	Preparation	Total
Mathematics 4-5-6E	Calculus	3	3	6	12
Physics 1-2-3E	General Physics	3	4		12
English 10abc	Conference Course			2	2
English 16-17-18E	Public Discussion and Debate	3		3	6
Engineering 2abc	Engineering Drawing		3fs 6w		3fs 6w
Engineering 6abc	Materials of Engineering	2	3	3	8
Engineering 12abc	Plane and Topographic Surveying	3		3	6
Engineering 22ac	Field work in Surveying		3fs		3fs

JUNIOR YEAR

		Class	Laboratory	Preparation	Total
English 11abc	Literature and Technical Composition	3		4	7
Economics 1-2-3E	General Economics	3		6	9
Mathematics 56-57-58	Graphical Analysis		2		2
Geology 31	Mineralogy	3s		3s	6s
Engineering 5abc	Applied Mechanics	4		8	12
Engineering 13ab	Railway and Highway Engineering	3fw		3fw	6fw
Engineering 23c	Railway and Highway Surveying		6s		6s
Engineering 33ab	Hydraulics	3fw	3fw	3fw	9fw
Engineering 60abc	Elements of Electrical Engineering	3	2	3	8
Engineering 90abc	Steam Machinery	2		2	4

SENIOR YEAR

		Class	Laboratory	Preparation	Total
Engish 12abc	Conference Course			2	2
Business Administration 1-2-3E	Industrial Organization and Management	3		6	9
Geology 18-19-20	Engineering Geology	3		6	9
Engineering 14abc	Structures	3		2	5
Engineering 24abc	Reinforced Concrete	2		4	6
Engineering 34abc	Sanitary Engineering	3		3	6
Engineering 44abc	Highway Engineering	3		3	6
Engineering 15-25-35-45abc	Engineering Design		15		15

*See note at bottom of page 127

V. S. B. IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

		Class	Laboratory	Preparation	Total
Mathematics 1-2-3E	Algebra, Trigonometry, Analytics	3	3	6	12
Chemistry 1-2E	General Descriptive Chemistry	4fw	4fw	4fw	12fw
English 9abc	Conference Course			2	2
History 2E	Foundations of Modern Civilization	5s		5s	10s
Engineering 1abc	Mechanical Drawing and Descriptive Geometry		6		6
Engineering 3abc	Elementary Mechanics	3		5	8
Engineering 7c	Engineering Inspection-Trips		6s		6s
Engineering 61abc	Introduction to Electrical Engineering	2	2	3	7

SOPHOMORE YEAR

		Class	Laboratory	Preparation	Total
Mathematics 4-5-6E	Calculus	3	3	6	12
Physics 1-2-3E	General Physics	3	4	5	12
English 10abc	Conference Course			2	2
English 16-17-18E	Public Discussion and Debate	3		3	6
Engineering 2b	Engineering Drawing		9w		9w
Engineering 6abc	Materials of Engineering	2	3	3	8
Engineering 12ac	Plane and Topographic Surveying	3fs		3fs	6fs
Engineering 22ac	Field Work in Surveying		3fs		3fs
Engineering 62abc	Elements of Electrical Engineering	2	2	3	7

JUNIOR YEAR

		Class	Laboratory	Preparation	Total
English 11abc	Literature and Technical Composition	3		4	7
Economics 1-2-3E	General Economics	3		6	9
Mathematics 56-57-58	Graphical Analysis		2		2
Engineering 5abc	Applied Mechanics	4		8	12
Engineering 33ab	Hydraulics	3fw	3fw	3fw	9fw
Engineering 63abc	Electrical Machinery	3	2	6	11
Engineering 93c	Elements of Steam Machinery	3s		6s	9s

SENIOR YEAR

		Class	Laboratory	Preparation	Total
English 12abc	Conference Course			2	2
Business Administration 1-2-3E	Industrial Organization and Management	3		6	9
Engineering 20c	Elements of Structures	3s	3s	3s	9s
Engineering 64abc	Alternating Current Machines	4	8	8	20
Engineering 74a	Electric Circuits	3f		6f	9f
Engineering 74b	Hydro-Electric Power and Transmission	3w		6w	9w
Engineering 74c	Electrical Equipment Projects	3s		6s	9s
Engineering 84abc	Dynamo Design		6	4	10
Engineering 94a	Thermodynamics	3f		6f	9f
Engineering 94b	Steam-Electric Power Plants	3w		6w	9w

DEPARTMENT OF CIVIL ENGINEERING

GUSTAVE MAURICE BRAUNE, C.E., Professor of Civil Engineering.
THOMAS FELIX HICKERSON, A.M., S.B., Professor of Civil Engineering.
THORNDIKE SAVILLE, C.E., Associate Professor of Hydraulic and Sanitary Engineering.
HAROLD FREDERICK JANDA, C.E., Associate Professor of Highway Engineering.

DEPARTMENT OF ELECTRICAL ENGINEERING

PARKER HAYWARD DAGGETT, S.B., Professor of Electrical Engineering.
JOHN HARRIS MUSTARD, B.S., in E.E., Professor of Electrical Engineering.
JOHN EMERY LEAR, E.E., Professor of Engineering Sciences.

Assistant in Engineering, 1921-1922

GEORGE WALLACE SMITH, B.S., in E.E.

Assistants in Electrical Engineering, 1921-1922.

ROY MADISON CASPER.
MARSHALL EDGAR LAKE.
REGINALD ARCHIBALD TILLMAN.

DESCRIPTION OF COURSES IN ENGINEERING

1abc. MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY.
MR. SMITH. *Six hours a week.*
Fall, Winter and Spring Quarters.

Lettering and use of drawing instruments. Descriptive Geometry, covering fundamental problems of the point, line and plane and their application to problems of the intersection and development of surfaces. Problems in isometric and perspective projections.

2abc. ENGINEERING DRAWING.
MR. SMITH. *Three hours a week.*
Prerequisite, Engineering 1abc *Fall and Spring Quarter.*
Six hours a week.
Winter Quarter.

Descriptive geometry and its application to engineering problems. Graphical determination of stresses and detail drawing of simple structures. Empirical designing of elementary machines.

3abc ELEMENTARY MECHANICS.

PROFESSORS BRAUNE, HICKERSON AND JANDA. *Three hours a week. Fall, Winter and Spring Quarters.*

The basic principles of statics and an elementary course in strength of materials, covering conditions of equilibrium, force and funicular polygons, center of gravity, friction, beams and jointed structures. This course correlates with first year Mathematics and Drawing.

5abc. APPLIED MECHANICS.

PROFESSOR HICKERSON. *Four hours a week.*

Prerequisites, Engineering 3abc and Mathematics, 4-5-6E. *Fall, Winter and Spring Quarters.*

A course in mechanics comprising statics, kinematics and kinetics. The fundamental principles governing the strength and stiffness of beams, columns, truss members, shafting and various kinds of riveted work.

6abc. MATERIALS OF ENGINEERING.

PROFESSOR JANDA. *Four hours a week. Fall, Winter and Spring Quarters. Laboratory fee $2.00 a Quarter.*

Constitution, physical properties and tests of the important materials used in engineering construction, such as wood, cement, stone, iron, steel, etc., metallurgy of iron and steel and the more important alloys.

7c. INSPECTION TRIPS.

PROFESSOR JANDA, Chairman; and Members of the Engineering Staff. *Six hours a week. Spring Quarter.*

The freshmen students are given an opportunity to become familiar with various types of engineering works by weekly inspection trips during the Spring term. One afternoon per week is scheduled for inspection trips under the supervision of an engineering instructor, and a second afternoon is devoted to writing a report of the trip under the supervision of the English instructor.

11abc CEMENT LABORATORY.

PROFESSOR JANDA. *Three hours a week. Fall, Winter and Spring Quarters. Laboratory fee $2.00 for Winter and Spring Quarters.*

Laboratory tests of cement, concrete and analyses of concrete materials.

12abc. PLANE AND TOPOGRAPHIC SURVEYING.

PROFESSOR JANDA. *Three hours a week.*
Prerequisites, Mathematics 1-2-3E. *Fall, Winter and Spring Quarters.*

Theory relating to the use and adjustment of instruments; theory of road location; land, topographic and city surveying.

13ab RAILWAY AND HIGHWAY ENGINEERING.

PROFESSOR JANDA. *Three hours a week.*
Prerequisites, Engineering 12abc, and Mathematics 1-2-3E. *Fall and Winter Quarters.*

Simple, compound, spiral and vertical curves. Frogs and turnouts. Economics of location, tractive resistance and maintenance of railroads and highways. Mass diagram and earthwork computations.

14abc. STRUCTURES.

PROFESSOR BRAUNE. *Three hours a week.*
Prerequisite, Engineering 5abc. *Fall, Winter and Spring Quarters.*

Graphical and analytical determination of stresses occurring in engineering structures, such as roofs, bridges, retaining walls, etc. The design of simple structures in steel and timber.

16c. PLANE TABLE SURVEYING AND MAPPING.

PROFESSOR SAVILLE. *Five hours a week.*
Prerequisite, C. E. 1. *Spring Quarter.*
Laboratory fee, $2.00.

Preparation and interpretation of topographical maps. Lectures and field work.

20c. ELEMENTS OF STRUCTURAL ENGINEERING.

PROFESSOR BRAUNE. *Six hours a week.*
Prerequisite, 5abc. *Spring Quarter.*

A unified course in which is given the fundamentals of design in steel, reinforced concrete and timber. This course is arranged for electrical engineering students.

22ac. FIELD WORK IN SURVEYING.

PROFESSOR JANDA. *Three hours a week.*
Prerequisite, Mathematics 1-2-3E. *Fall and Spring Quarter.*
Laboratory fee $2.00 *a Quarter.*

Prerquisite, Mathematics 1-2-3E.

Practise in the use and adjustments of tape, level, transit, plane table, etc. The making and reading of maps; Meridian and latitude determination.

23c. RAILWAY AND HIGHWAY SURVEYING.

PROFESSOR JANDA. *Six hours a week.*
Prerequisites, Engineering 12 abc, and 22ac. *Fall and Spring Quarter.*
Laboratory fee $3.00

The laying-out of simple, compound, and easement curves, cross-sectioning and setting of slope stakes.

24abc. REINFORCED CONCRETE.

PROFESSOR HICKERSON. *Two hours a week.*
Prerequisite, Engineering 5abc *Fall, Winter and Spring Quarters.*

The development of the principles involved in the design of slabs, beams, girders, columns and simple structures.

30c. WATER POWER AND DRAINAGE ENGINEERING.

PROFESSOR SAVILLE. *Six hours a week.*
Prerequisite, Engineering 33-ab. *Spring Quarter.*

Preliminary studies of rainfall, run-off and storage; characteristics of reaction and impulse wheels; dam designs; general drainage problems.

33ab. HYDRAULICS.

PROFESSOR SAVILLE. *Six hours a week.*
Prerequisite, Mathematics 4-5-6E. *Fall and Winter Quarters.*
Laboratory fee $2.00 *a Quarter.*

The principles of the flow of water through orifices, weirs, tubes, nozzles, pipes and open channels as applied to measurement of water to hydraulic engineering. The fundamental principles of impulse wheels, reaction turbines and centrifugal pumps.

34abc. HYDRAULIC AND SANITARY ENGINEERING.

PROFESSOR SAVILLE. *Fall, Winter and Spring Quarters.*
Prerequisite, Engineering 33ab. *Three hours a week.*

The design, construction and operation of water supply and sewerage systems as applied to municipalities and rural communities.

44abc. HIGHWAY ENGINEERING.

PROFESSOR JANDA. *Three hours a week.*
Fall, Winter and Spring Quarters.

A detail study of highway locations, foundations, and drainage, width and kind of roads; characteristics of various road materials; highway administration, legislation and organization.

15abc. ENGINEERING DESIGN.

PROFESSORS BRAUNE AND HICKERSON. *Six hours a week. Fall and Spring Quarters. Three hours a week. Winter Quarter.*

Application of principles in course 14 to specific problems in the designs of roofs, bridges, retaining walls, water towers and other structures.

25abc. ENGINEERING DESIGN.

PROFESSORS BRAUNE AND HICKERSON. *Three hours a week. Fall, Winter and Spring Quarters.*

Application of principles in course 24 to specific problems in the design of reinforced concrete and masonry structures.

35abc. ENGINEERING DESIGN.

PROFESSOR SAVILLE. *Three hours a week. Fall and Spring Quarters. Six hours a week. Winter Quarter. Laboratory fee $2.00 a quarter.*

Application of principles in course 34 to specific problems in the general layout of simple projects for water works and sewerage. Routine tests of water and sewerage.

45abc. ENGINEERING DESIGN.

PROFESSOR JANDA. *Three hours a week. Fall, Winter and Spring Quarters.*

Application of principles in course 44 to specific problems in the physical testing of road materials.

50abc. ELECTRICAL MEASUREMENTS.

PROFESSOR LEAR. *Five hours a week.*
Prerequisites, Physics 1-2-3E. and Mathematics 4E. *Fall, Winter and Spring Quarters. Laboratory fee, $5.00 a Quarter.*

A study of the fundamental principles of electric circuits and apparatus, designed especially for students in Chemistry. The laboratory work will include the methods of electrical measurements used in the chemical laboratory, together with the applications of electrical energy for heating and control.

60abc. ELEMENTS OF ELECTRICAL ENGINEERING.

PROFESSOR MUSTARD AND MR. TILLMAN. *Five hours a week. Fall, Winter and Spring Quarters. Laboratory fee, $5.00 a Quarter.*
Prerequisite Mathematics 4-5-6E.

A study of the generation, transmission, control and utilization of electrical energy, designed especially to meet the needs of students in Civil Engineering.

61abc. INTRODUCTION TO ELECTRICAL ENGINEERING.

Professor Lear and Mr. Casper. *Four hours a week. Fall, Winter and Spring Quarters. Laboratory fee, $6.00 a Quarter.*

The aim of this course is to give the student an acquaintance with the materials, apparatus and terminology used in electrical engineering. The fundamental principles of current, voltage, resistance, energy and power are studied by means of practical problems with commercial apparatus. Practical work in wiring, together with a study of the National Electric code will be given in the Spring Quarter.

62abc. ELEMENTS OF ELECTRICAL ENGINEERING.

Professor Mustard and Messrs. Lake and Tillman *Four hours a week. Fall, Winter and Spring Quarters. Laboratory fee, $4.00 a Quarter.*

Prerequisites, Engineering 61abc and Mathematics 1-2-3E.

A study of the fundamentals of direct-current, generators and motors, followed by the elements of alternating-current circuits in the Spring Quarter. The laboratory work consists of studies on the operating characteristics of direct-current machines; direct-current measurements; the effect of resistance, inductance, capacity and frequency in alternating-current circuits; projects in illumination, telephony and storage batteries.

63abc. ELECTRICAL MACHINERY.

Professor Mustard and Mr. Lake. *Five hours a week. Laboratory fee, $5.00 a Quarter. Fall, Winter and Spring Quarters.*

Prerequisites, Engineering 62-abc Mathematics 4-5-6E.

In the Fall and Winter quarters, the work will consist of a review of electric and magnetic circuits, and a thorough study of direct-current machines. The elements of alternating-current circuits and machines with special attention to the alternator, transformer and induction motor will be studied in the Spring quarter.

64abc ALTERNATING CURRENT MACHINERY.

PROFESSOR DAGGETT — *Twelve hours a week.*
Prerequisites, Eng'g. 63abc and Mathematics 4-5-6E, or equivalent. — *Fall, Winter and Spring Quarters.*
Laboratory fee, $7.00 a quarter.

An analytical study of e. m. f. and current wave shapes; effect of iron cores; the transformer; the alternator; the synchronous motor, induction motor, repulsion motor; the synchronous converter. The laboratory work will follow closely the class room study.

74a ELECTRIC CIRCUITS.

PROFESSOR DAGGETT. — *Three hours a week.*
Prerequisites, Eng'g. 63abc and Mathematics 4-5-6E or equivalent. — *Fall Quarter.*

A mathematical study of the fundamental phenomena in the electric, magnetic, dielectric, and thermal circuits, emphasizing the circuital relations common to all. Considerable attention will be devoted to the application of complex quantities to alternating current circuits.

74b HYDRO-ELECTRIC POWER AND TRANSMISSION.

PROFESSOR DAGGETT. — *Three hours a week.*
Prerequisites, Eng'g. 33ab and 74a. — *Winter Quarter*

A survey of the problems involved in hydro-electric power developments and the transmission of electric power over long distances. Application of hyperbolic functions to the calculation of long lines. Study of super-power systems.

74c ELECTRICAL EQUIPMENT PROJECTS.

PROFESSOR DAGGETT. — *Three hours a week.*
Prerequisites, Eng'g. 63abc or equivalent. — *Spring Quarter.*

Solution of problems involving the application of electrical energy to various industries. The problems will be varied to suit the individual needs of the members of the class. Especial attention will be given to problems of importance to North Carolina industries.

84abc DYNAMO DESIGN.

PROFESSOR LEAR. — *Six hours a week.*
Corequisite, Eng'g. 64abc. — *Fall Winter and Spring Quarters.*

Electrical mechanical and economic questions involved in the design of electrical machinery; the effect of the design constants on the proportions and operation of machines. Each student will be required to make complete calculations for a d. c. generator or motor, a transformer and an alternator.

90abc STEAM MACHINERY.

Professor Mustard. *Two hours a week.*
Prerequisites, Mathematics 4-5-6E and Physics 1-2-3E. *Fall, Winter and Spring Quarters.*

A course in the fundamentals of steam-power and power-plant machinery, designed especially for the needs of students in Civil Engineering.

93c ELEMENTS OF STEAM MACHINERY.

Professor Daggett. *Three hours a week.*
Prerequisites, Mathematics 4-5-6E and Physics 1-2-3E. *Spring Quarter.*

An elementary study of the component parts of a modern steam power-plant. A thorough study will be made of the principles of combustion and visits of inspection will be made to nearby power-plants.

94a ENGINEERING THERMODYNAMICS.

Professor Daggett. *Three hours a week.*
Prerequisites, Eng'g. 93c or 90abc and Mathematics 4-5-6E. *Fall Quarter.*

A study of the laws governing the transformation of heat into mechanical energy; properties of gases and vapors; thermodynamic potentials; steam-engine cycles and efficiency standards; pressure and velocity compounding in steam turbines; theory of of heat transfer in steam-boilers and condensers.

94b STEAM-ELECTRIC POWER-PLANTS.

Professor Daggett. *Three hours a week.*
Prerequisite, Enginering 94a. *Winter Quarter.*

Construction, operation and management of factory power-plants and central-stations; choice of machines and the layout of the plant as a whole; thermodynamic analysis of the complete plant; brief analysis of the question of rates and regulation of public utilities.

COURSES FOR GRADUATE STUDENTS

100abc. HYDRAULIC AND SANITARY ENGINEERING.

PROFESSOR SAVILLE.

The study and investigation of special problems relating to hydraulics, water power, and sanitary engineering.

103abc. STRUCTURAL ENGINEERING.

PROFESSORS BRAUNE AND HICKERSON.

Computation of stresses of statically indeterminate structures. Lectures and design problems in the drafting room.

106abc. RESEARCH IN HIGHWAY ENGINEERING.

PROFESSOR JANDA.

Investigation of materials in Highway Engineering through cooperation with the Highway Commission. The Research Fellow will spend part time at the University and part time in the field with the Highway Commission. Fellowships will be awarded to worthy graduate students who can present the proper qualifications.

107abc. DETAILED LABORATORY STUDY OF HIGHWAY MATERIALS.

PROFESSOR JANDA.

The studets will be given problems for investigation that are being constantly suggested in the scientific construction and betterment of highways.

110abc. ELECTRICAL ENGINEERING SEMINAR.

PROFESSOR DAGGETT.

An advanced course in electrical theory, including the study of distributed inductance and capacity, transient phenomena, e.m.f. wave-shapes in alternators and synchronous-converters and the application of hyperbolic functions to the solution of problems in power transmission and telephone circuits. Texts: Steinmetz's *Transient Phenomena* and Kennelly's *The Application of Hyperbolic Functions to the Solution of Electrical Engineering Problems.*

115abc. ELECTRICAL ENGINEERING RESEARCH AND DESIGN.

PROFESSORS DAGGETT AND LEAR.

The solution of one or more definite problems in some particular field of electrical engineering. The work of this course will be outlined, as far as possible, to suit the needs of the individual student, and will consist of original investigations, designs, or the economic study of some existing electric power plant.

THE SCHOOL OF EDUCATION

FACULTY

Harry Woodburn Chase, Ph.D., LL.D., *President.*
Marcus Cicero Stephens Noble, *Dean.**
Nathan Wilson Walker, A.B., Ed.M., *Acting Dean.*
Marcus Cicero Stephens Noble, *Professor of Pedagogy.*
Nathan Wilson Walker, A.B., Ed.M., *Professor of Secondary Education.*
Louis Round Wilson, Ph.D., *Professor of Library Administration.*
Lester Alonzo Williams, Pd.D., *Professor of School Administration.*
Edgar Wallace Knight, Ph.D., *Professor of Rural Education.*
John Frederick Dashiell, Ph.D., *Professor of Psychology.*

Note.—The courses in Education listed below are, with but few exceptions, those given for the year of 1921-22. A bulletin to be issued by the School of Education in June, 1922, will contain a complete list of the courses to be offered in 1922-23. Also it will show some modifications of the requirements as they now stand. Students expecting to pursue courses in the School of Education should consult this bulletin before registering.

REQUIREMENTS FOR ADMISSION

See page 58.

EXPENSES

See page 71.

PURPOSES

The courses in education prepare for teaching and the executive work of principals and superintendents of schools. A number of courses are also offered which deal with popular education

* Temporarily released from administrative duties.

from the viewpoint of the citizen, whatever his occupation or profession. All courses in education carry college credit for the several degrees and at the same time enable those who successfully complete such courses to secure State certificates to teach or to administer schools, without further examination by the State.

Under the public law of the State all public school teachers, principals, superintendents and supervisors must hold State certificates appropriate to their work. Full information concerning the requirements for the various certificates may be obtained from the Acting Dean; and prospective teachers, principals, superintendents and supervisors should secure this information before registering for courses in the School of Education.

COURSES LEADING TO THE DEGREE OF BACHELOR OF ARTS IN EDUCATION

In order to be recommended for the Degree of Bachelor of Arts in Education, the student must have completed satisfactorily the four years course outlined below:

Freshman Year

English 1
History 1-2
Mathematics 1
Education 2

Select two:
- Greek 3-4
- Latin 1-2
- German 3-4
- French 3-4
- Spanish 3-4

By postponement of any of these courses except English and Education until Sophomore year one course in Science (Botany 1, 2; Chemistry 1-2 or Zoology 1, 2) may be taken in the Freshman year. Not more than three courses may be taken in any one term except by special permission.

Sophomore Year

English 3-4

Select one:
- Botany 1, 2
- Chemistry 1-2
- Physics 1, 2
- Zoology 1, 2
- Botany 1 and Zoology 1

Select two:
- Greek 5
- Latin 6
- German 21
- French 5
- Spanish 5

Mathematics 2

Select two:
- Education 3
- Education 4
- Psychology 1

If a course in Science be taken in the Freshman year, the Freshman course then postponed must be taken in place of the course in Science required of Sophomores. Not more than three courses may be taken in any one term except by special permission.

Junior Year

For Junior year students are required to select three courses open to Juniors in the School of Education and six courses open to Juniors in the College of Liberal Arts, according to the regulations governing such selection.

Senior Year

For Senior year students are required to select three courses open to Seniors in the School of Education and six courses open to Seniors in the College of Liberal Arts, according to the regulations governing such selection.

Regulations

Candidates for the Degree of Bachelor of Arts in Education must complete satisfactorily 36 full courses.

The proportion of these courses to be taken each year in the College of Liberal Arts and the proportion to be taken in the School of Education is as follows:

	College of Liberal Arts	*School of Education*
Freshman year	Eight courses	One course
Sophomore year	Seven courses	Two courses
Junior year	Six courses	Three courses
Senior year	Six courses	Three courses

Courses in the School of Education that are not strictly graduate courses are classified into three groups; one group in the Principles of Education, one group in the Methods of Education, one group in the History of Education. The courses included within each group are given below:

Principles: Education 2, 4, 12, 20, 26, 30, 31, 32, 51, 55, 56, 61 and 63.
Methods: Education 3, 5, 6, 52, 54, 62 and 64.
History: Education 22, 23, 24, 25, 26 and 29.

In order to insure a proper distribution of work and concentration of effort candidates for the Degree of Bachelor of Arts in Education are required to select not less than two courses from the group in Principles; not less than two from the group in Methods; and at least one from the group in History of Education, the remaining four courses to be selected after consultation with the Dean. The prescribed and elective courses in the Freshman and Sophomore years are to be counted in meeting this requirement.

In order to meet the requirement of the State Department of Education all students intending to teach in the high schools of the State, whether candidates for A.B. in Education or not, are required to take Education 51, Education 52, or their equivalent, and two, or four full courses in Education. All candiates for A. B. in Education are, therefore, required to select Education 51 and Education 52 as two of the required six courses in Junior and Senior years.

Each student accepting the teacher's fee tuition privilege must complete in the School of Education the number of professional courses required by the State Department of Education for that grade of certificate to which his academic standing would entitle him. The grades of certificates issued and the academic and professional requirements for each are as follows:

Class of Certificate.	College Courses	Professional Courses
A	36 (including)	6
B	27 (including)	4
C	18 (including)	2

All courses must be approved by the Acting Dean before they are accepted by the Registrar.

COURSES OF INSTRUCTION

Courses for Undergraduates

Principles of Education

2. PRINCIPLES OF EDUCATION.

PROFESSOR WILLIAMS. Credit, 1 Course.
Sophomore course *Five hours a week.*

The course is introduced to give the students a general view of the field of education. It has in mind two objectives: first, to give information about the school as an institution in modern society, and second, to state very concretely what some of the problems are in this institution. Thus it is designed for any student whether he intends to be a teacher or not. The biological, psychological, sociological, economic and administrative principle of education will be discussed. Lectures, readings, discussions.

4. THEORY AND PRACTICE OF EDUCATION.

PROFESSOR NOBLE. Credit, 1 Course.
Junior and Senior elective. *Five hours a week.*
Fall Quarter.

A study of theory and practice of modern education from the viewpoint of both the teacher and the citizen; the selection of

the material of instruction; the development and arragement of the curriculum for the grammar and high school. Lectures, text-books, and assigned readings.

12. EXPERIMENTAL EDUCATIONAL PSYCHOLOGY.

Professor Dashiell. Credit, ½ or 1 course.
Senior elective. *Three or five hours a week.*
Prerequisite, Psychology 1 *Fall Quarter.*
or equivalent. *Laboratory fee,* $2.00.

An introduction to the methods of experimental pedagogy. A few central problems of education will be isolated for careful scientific treatment. Laboratory work.

51. PRINCIPLES OF SECONDARY EDUCATION.

Professor Walker. Credit, 1 Course.
Required for Juniors in *Five hours a week.*
School of Education. *Fall or Winter Quarter.*
Junior and Senior elective.

A study of the American high school, its evolution, oragnization, administration, function, and problems. Special emphasis will be laid on the State high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward principalships in small high schools. Text-books, lectures, assigned readings.

Students who intend to make application for the High School Principal's certificate are required to complete satisfactorily Education 51, 52, and at least two or four other courses.

61. PRINCIPLES OF PUBLIC SCHOOL ADMINISTRATION.

Professor Williams. Credit, 1 Course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

This course will deal with the general principles underlying public school administration in nation, state, county, and local district. Studies will be made of the variosu surveys of city, county and state systems of public schools. It will consider also in some detail probelms of high school administration.

Methods of Education

3. METHODS IN EDUCATION.

Professor Noble. Credit, 1 Course.
Five hours a week.
Spring Quarter.

Based on Education 2. A study of the methods employed in ele-

mentary and secondary schools. Required of Sophomores in the School of Education, and open to Juniors and Seniors in the College of Liberal Arts who purpose teaching.

5. LIBRARY ADMINISTRATION: THE USE OF BOOKS.

PROFESSOR L. R. WILSON. Credit, ½ course.
Junior and Senior elective. *Three hours a week.*
Winter Quarter.

Instruction is given as to the kind of information specific reference books, dictionaries and encyclopedias contain. Special emphasis is laid on methods of finding material for use in the preparation of themes, essays, debates, orations and of assisting others in finding material in school or public libraries for school use. Practice at the reference of the University Library and the preparation of an extensive list of readings on some subject to be assigned will be required. Lectures, assigned readings, textbooks.

52. GENERAL METHODS IN SECONDARY EDUCATION.

PROFESSOR WALKER. Credit, 1 Course.
Required of Juniors in the School of Education. *Five hours a week.*
Spring Quarter.
Junior and Senior elective.

The course deals with a general survey of the nature of the secondary school pupil and of the nature of the subject matter taught in secondary schools; a study of the laws of learning which underlie and determine the conduct of the recitation, management of the class, tests, examinations, and scales are also taken up and discussed in some detail.

54. THE PSYCHOLOGY OF HIGH SCHOOL SUBJECTS.

PROFESSOR WILLIAMS. Credit, 1 Course.
Junior and Senior elective. *Five hours a week.*
Spring Quarter.

The course will consider the function of the various subjects usually listed in a high school program of studies, together with an analysis of these subjects from the viewpoint of the psychologist. A course in applied psychology. Textbook and readings. Students registering for this course should have had Education 51 and a course in psychology.

62. EDUCATIONAL MEASUREMENTS. (ELEMENTARY COURSE.)
Professor Williams. Credit, 1 Course.
Senior elective. *Five hours a week.*
Spring Quarter.

The material of the course is the various tests and scales used in the measurement of classroom products as well as the intelligence tests used in conjunction with the subject matter tests in the organization, management and grading of children in school. The methods of giving, scoring, tabulating and interpreting these tests make up the material for class discussion, report and experimentation.

64. SCHOOL AND CLASS MANAGEMENT.
Professor Williams. Credit, 1 Course.
Junior and Senior elective. *Five hours a week.*
Fall Quarter.

The course deals with a detailed consideration of the particular problems incident to the successful management of a single school or of a single classroom in a school. It is intended to be of most service to those intending to become principals or classroom teachers rather than for those who look more immediately to the field of superintendencies; *i. e.*, it is a course for the apprentice in school management.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES

Principles of Education

20. EDUCATIONAL PSYCHOLOGY.
Professor Dashiell. Credit, 1 Course.
Prerequisite, Psychology 1 *Spring Quarter.*
or equivalent. *Five hours a week.*

To consider critically different topics, such as original nature of man, heredity versus environment, kinds of learning and factors influencing learning, individual differences, mental hygiene, mental measurement. Texts and lectures.

30. RURAL EDUCATION.
Professor Knight. Credit, 1 Course.
Five hours a week.
Fall Quarter.

A course intended for those students who wish an introduction to the general field of rural education. Among the topics treated are: Present conditions in rural education in the United States,

with especial emphasis on conditions in the South; recent development in and the present status of rural, educational organization and administration; the increasing demand for professional direction and supervision; the rural school curriculum; agencies for training teachers for the rural school; rural educational extension work; the wider community use of the rural school. Textbook, lectures, readings and reports.

31. RURAL SCHOOL ORGANIZATION AND ADMINISTRATION.

PROFESSOR KNIGHT. Credit, 1 Course.
Five hours a week.
Winter Quarter.

A course planned to meet the needs of students preparing to become rural school teachers, principals, supervisors, and superintendents. It gives consideration to the organization, administration, and supervision of rural school education in the United States, with especial emphasis on the present condition in the South. The county as the unit of administration and support, federal aid and a national program for rural educational work, the application of the principles, agencies, and methods of supervision to the rural school will be studied. Text-books, lectures, special investigations and reports.

32. THE RURAL HIGH SCHOOL.

PROFESSOR KNIGHT. Credit, 1 Course.
Five hours a week.
Spring Quarter.

A study of the outstanding questions in the organization, administration, and supervision of the rural high school in the South. Types of rural high schools, the function of local and of State control, the course of study of the rural high school, federal aid and the influence of the Smith-Hughes Act on rural high school education in the South, and teacher-training courses in the high school, are some of the subjects that will be considered. Lectures, readings, reports.

55. SOCIAL POLICY AND EDUCATION.

PROFESSOR WALKER. Credit, 1 Course.
Five hours a week.
Fall Quarter.

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. Open to seniors and graduate students only.

This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy.

56. SECONDARY SCHOOL TESTS AND SCALES.
(including Statistical Method)
Professor Walker. Credit, 1 Course.
Five hours a week.
Winter Quarter.

This course plans to give to teachers and principals technical skill in the use of statistical method so that they may be able to carry out studies in their own schools. A consideration of group and individual intelligence tests and the evaluation of available tests and scales for measuring achievement in secondary school subjects will complete the work of the course. Lectures, assigned readings, discussion, and laboratory periods. Open to seniors and graduate students only.

63. ADMINISTRATIVE PROBLEMS.
Professor Williams. Credit, 1 Course.
Two hours a week.
Fall, Winter and Spring Quarters.

In this course the more specific problems having to do with public school administration will be taken up and studied in considerable detail. The amount of time devoted to any one problem will depend largely upon the importance of the bearing of that problem on our local situation. Since the probems to be considered will vary from year to year, the course may be taken more than once by the same student.

(The class will meet once each week for two hours throughout the year.)

Methods of Education

6. THE RURAL SCHOOL CURRICULUM.
Professor Knight. Credit, 1 Course.
Five hours a week.
Spring Quarter.

A brief study of the accepted principles of curriculum-making and of their applicability to the rural school. Attention is given to the basis of selection and organization of the course of study for the rural school; text-books; the relative claims of the traditional subjects and of the modern and special subjects; the administration of the course of study in the small and in the consolidated school; daily programs and schedules. Lectures, readings, special studies and reports.

History of Education

25. HISTORY OF SECONDARY EDUCATION.
PROFESSOR WILLIAMS. *Winter Quarter.*
Credit, 1 Course.
Five hours a week.

The course will attempt to trace great movements in history from the earliest times down to the present in an effort to understand what society and the State have done to help adolescents solve the problems incident to their period of development. The facts of history will be utilized to show how any given civilization or people have been at work on the problem of the education of youth of secondary school age.

26. PUBLIC SCHOOL EDUCATION IN THE SOUTH.
PROFESSOR KNIGHT. Credit, 1 course.
Five hours a week.
Winter or Spring Quarter.

This course gives a historical survey of public school education in Southern States with especial attention to its development in organization, administration, and supervision since 1876. Present-day questions in rural education are studied in the light of their historical development, and attention is given to the educational reorganizations needed for the proper solution of the new rural life problems. Text-books, lectures, investigations and reports.

29. AMERICAN PUBLIC EDUCATION.
PROFESSOR NOBLE. Credit, 1 course.
Five hours a week.
Winter Quarter.

A study of the growth of popular education in the United States, of the creation of public sentiment in favor of the education of all the people at public expense and of the gradual realiation by the state of the obligation to educate its citizens and how the obligation has been met.

COURSES PRIMARILY FOR GRADUATES

101. PROBLEMS IN SECONDARY EDUCATION.
PROFESSOR WALKER. Credit, 1 course.
Two hours a week.
Fall, Winter and Spring Quarters.

This course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. Students

who have not taken Education 51 may be admitted only with the special permission of the instructor. At the beginning of the course each student is required to select some one problem for special investigation. The problem for investigation may be chosen by the student but must be subject to the approval of the instructor both as to field and method. A thesis will be required of each student. Throughout the year regular class discussions will be held on various problems in secondary education and assigned readings will be required.

103. THE JUNIOR HIGH SCHOOL.

Professor Williams. Credit, ½ course.
Prerequisite, Education 51 or equivalent. *Three hours a week.* *Spring Quarter.*

A study in detail will be made of the Junior High School, its development, purposes, organization and curriculum.

104-105. EDUCATIONAL MEASUREMENTS (ADVANCED COURSE).

Professor Williams. Credit, 2 courses.
Prerequisite, Education 62 or equivalent. *Five hours a week.* *Fall and Winter Quarters.*

The material used in this course is much the same as that used in Education 62, but the method of treatment is graduate rather than undergraduate. Students may register for this course only after consultation with the instructor.

106. PUBLIC EDUCATION IN THE SOUTH.

Professor Knight. *One hour a week.* *Fall, Winter and Spring Quarters.* Credit, 1 course.

This is a research course in public school education in the Southern States. An exhaustive study will be made of special topics through investigations, reports and conferences.

107. THE PSYCHOLOGY OF TRAINING.

Professor Dashiell. Credit, ½ course. *Three hours a week.* *Spring Quarter.*

An analysis of human training; its nature, means and possibilities. A reading survey will be made of the outstanding experimental work on these lines. The aim will be to get an accurate and scientific notion of the subject, with possibilities of application to education.

111-112-113. EXPERIMENTAL EDUCATIONAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, ½ to 3 courses.
Fall, Winter and Spring Quarters.
Laboratory fee, $2.00.

Opportunity will be offered for the experimental investigation of special problems along the line of the individual student's interests. Where necessary, adjustment of the work to the needs of graduate students lacking laboratory training in this field can be made.

126. FOUNDATIONS OF EDUCATION IN THE SOUTH.

PROFESSOR KNIGHT. Credit, 1 course.
Five hours a week.
Fall Quarter.

In this course the various educational agencies will be studied by texts, lectures, special investigations and research, reports and discussions, for the purpose of presenting (a) the development of present educational practices, tasks and tendencies and (b) the influence of the dominating economic, political and social ideals in the evolution of the free common school system, high schools, and institutions of higher education.

131. RURAL SCHOOL ORGANIZATION, ADMINISTRATION AND SUPERVISION.

PROFESSOR KNIGHT. Credit, 1 course.
Five hours a week.
Winter Quarter.

This is an administrative and professional course and is intended for those persons who are preparing for county superintendencies and rural school supervisory positions. It is both a descriptive and research course in rural life conditions in the South and especially in North Carolina, and consists of lectures, discussions, readings, and individual projects in field work and investigation.

140. SEMINAR IN EDUCATION.

This is a course of strictly graduate grade in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in Education, but students whose thesis topic is closely related to Education are invited to attend and to take part in the discussions. The class will meet for two hours each week through the year. The Professors in the School of Education.

THE SCHOOL OF COMMERCE

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

DUDLEY DEWITT CARROLL, M.A., *Dean.*

THE ADMINISTRATIVE BOARD

WALTER JEFFRIES MATHERLY, M.A., *Associate Professor of Business Administration.*

ERLE EWART PEACOCK, M.B.A., *Associate Professor of Accounting.*

LOUIS ROUND WILSON, Ph.D., *Kenan Professor of Library Administration.*

WILLIAM WHATLEY PIERSON, JR., Ph.D., *Professor of History and Government.*

HOMER HOYT, A.M., J.D., *Associate Professor of Economics.*

STURGIS ELLENO LEAVITT, Ph.D., *Associate Professor of Spanish.*

CHARLES THOMAS WOOLLEN, *Business Manager of the University.*

GENERAL AIM AND PURPOSE

The School of Commerce is an expression of the University's desire to serve the business life of the State. It was established as a result of the action of the State Legislature in the session of 1919, when the recommendation of the President and Trustees of the University was approved and an appropriation made for the purpose.

The course of study is based on the recognition that business is becoming a profession. The forces and influences operating in this field are so far-reaching and baffling in their complexity that to master them requires both broad and intensive training. Definite preparation to function successfully in the organization and administration of business enterprise is the purpose of the School, which is co-ordinate in standing and equipment with the College of Liberal Arts and the School of Applied Science.

The Course of Study covers four years and is designed to give a foundation of broad and general culture and, at the same time,

supply a definite and practical training to those who intend to engage in any of the great lines of industrial and commercial activity. By a certain elasticity in the choice of elective subjects, it also will be possible to prepare for the consular service, the teaching of commercial subjects, or public service.

REQUIREMENTS FOR ADMISSION

See page 58.

EXPENSES

See page 71.

COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE

The degree of Bachelor of Science in Commerce will be conferred upon students who satisfy the entrance requirements and complete the four-year course outlined below.

Freshman Year

English 1, Composition.

Mathematics 1, 2, Algebra and Trigonometry.

History 1-2, General History.

Geology 5-6, Industrial and Commercial Geography.

Select one: French 3-4; German 3-4; Spanish 3-4

Sophomore Year

Economics 1-2, General Course.

Economics 15, Industrial History.

English 3-4, English and American Literature.

Select one: Chemistry 1-2; Geology 1-2; Physics 1, 2; Botany 1, 2; Zoology 1, 2

Select one: French 5, 9; German; Spanish 5, 9 — Two Courses.

Junior Year

Required Courses

Accounting 1-2-3, General Principles of Accounting. (One and a Half Courses).
Business Administration 1, Business Organization.
Economics 3-4, Money and Banking.
Government 1-2, Principles and Methods of Modern Government.
Government 3, Government and Business. (Half Course.)

Electives

(Select Two and a Half Courses)

Economics 6, Insurance.
Economics 9, Transportation.
Business Administration 2, Industrial Management.
Business Administration 3, Corporation Finance.
Commercial Law. (One and a Half Courses).
Economics 10, Labor Problems. (Half Course.)
Rural Economics 1-2.
French 7-8.
Portuguese 1-2.
German 11.
English 21-22, Advanced Composition. (Two Half Courses).
Industrial Management.
English 20, Business English.
Psychology 1, General Psychology.
Psychology 30, Social Psychology. (Half Course).
Psychology 35, Commercial Psychology. (Half Course).
Sociology 3, Principles of Statistics.
Government 11, American State Government.
Business Statistics.

Senior Year

Required Courses

Economics 16, Theories of Economic Reform.
Commercial Law. (If not taken in the Junior Year).
Psychology 1. (If not taken in the Junior Year.)

Electives

(Select Six Courses)

All courses listed under the Junior Year and the following:
Accounting 4-5-6, Advanced Accounting. (One and a Half Courses).

Accounting 7-8, Cost Accounting. (Two Half Courses).
Accounting 9, Auditing.
Banking Practice, (Half Course).
Economics 13-14, Public Finance.
Markets and Marketing.
Foreign Trade.
Salesmanship and Sales Management.
Advertising.
International Law.
Credits and Collections.
Investments.
Industrial Combinations and Trusts. (Half Course).
Employment Problems. (Half Course.)
Public Utilities. (Half Course).
Business Statistics. (Half Course).
History 9-10, Latin-American History and Customs.
Geology 21-22, Advanced Industrial and Commercial Geography.
Philosophy 13-14-15, Ethics.
Sociology.
Business Cycles, (Half Course).
Economics, 18-19-20, Advanced Economic Theory.
Commerce, 106-107-108, Commerce Seminar.

The selection of electives in the Junior and Senior Years must be made in consultation with the Dean of the School of Commerce, and with his approval. The object will be to help each student to arrange a program of study looking toward an understanding of the special line of business in which he is planning to engage. In certain cases, where it would clearly promote a more effective preparation of the student, subjects may be chosen which are not included in the list of electives in the Junior and Senior Years.

No credit in the course is given for stenography, but every student is urged to acquire facility in the use of it before graduation.

SPECIAL STUDENTS

There are many young people already in business who feel the need of additional special training, but who are unable to spend the full four years at the University or who cannot provide proper entrance credits. Recognizing this, the School of Commerce will admit students of twenty-one years of age, or over, who cannot fulfill the entrance requirements, as special students, but not as candidates for the degree.

LECTURES

A part of the training will consist of attendance upon lectures given by representative business men of the State and the South. These will be supplemented by Government officials, both State and national, who are dealing with industrial problems. These lectures will acquaint the students with the practical problems of current business, and enable the business man to come in touch with young people in training who may be utilized later in making their organizations more efficient.

APPRENTICESHIPS

During the summer, between the Junior and Senior years, each student will be expected to spend his time working in an establishment in the line of business for which he is preparing. This may begin in the summer following the Sophomore year, as is the case now with students who go to the National City Bank of New York. An effort will be made to assist students in securing such opportunities for the summer. However, the School must not be regarded as an employment agency, as one of the most valuable experiences in training for business comes from locating opportunities for one's self. The university itself, in its business aspects, will be used as a working laboratory, particularly the offices of the Treasurer and Business Manager. Wherever possible, each student, before graduation, will be required to make a careful analysis of a going concern in the field of his practical interest.

STUDENT ORGANIZATION

The students in the School of Commerce maintain an organization for the promotion of their interests and the work of the School. This organization has the form of a regular business corporation, and carries on its work by the methods which they will meet in the regular procedure of the business world. This affords an excellent opportunity to the students for familiarizing themselves with corporation methods.

GRADUATE WORK

Plans have been formulated for the expansion of the work of the School of Commerce to such an extent that graduates of ap-

proved institutions who have had at least two years' work in commerce may take courses leading to the degree of Master of Science in Commerce. At least one of the courses must involve research work on a business problem. For more complete information see catalog of the Graduate School.

COURSES OF INSTRUCTION

Accounting

1-2-3. PRINCIPLES OF ACCOUNTING.

PROFESSOR PEACOCK. Credit, 1½ courses.
Prerequisite or corequisite, Economics 1-2. *Three hours a week. Fall, Winter and Spring Quarters. Laboratory fee, $2.00 a quarter.*

Lectures with laboratory work. Study of the theory of debit and credit; single proprietor, partnership and corporation accounts; the interest problem; depreciation; principles for the valuation of assets; construction and analysis of accounting statements, and a general survey of such fields of accounting as cost accounting, municipal accounting, railway accounting and auditing. Laboratory exercises in accounting problems and technique.

4-5-6. ADVANCED ACCOUNTING.

PROFESSOR PEACOCK. Credit, 1½ Courses.
Prerequisite, Accounting 1-2-3. *Three hours a week. Fall, Winter and Spring Quarters. Laboratory fee, $2.00 a quarter.*

Lectures with laboratory work. Study of Accounting problems and forms for special types of business concerns, including hotels, mines, department stores, cotton mills, agencies and banking. Accounting for the organizations and liquidation of the co-partnership and corporations, for combinations and consolidations, for trustees and receivership, branch houses, municipalities, and Foreign Exchange. Extended study of consolidated balance sheets and C. P. A. problems.

7-8. COST ACCOUNTING.

PROFESSOR PEACOCK. Credit, 1 course.
Prerequisite, Accounting 1-2-3. *Three hours a week. Fall and Winter Quarters. Laboratory fee, $2.00 a quarter.*

Lectures with laboratory work. Methods for collection of data relative to prime costs and a careful analysis of various methods

of burden distribution. Application of principles will be made in the laboratory by means of budgets for cost accounting in different classes of enterprise.

9. AUDITING.

Professor Peacock. Credit, ½ Course.
Prerequisite, Accounting 4-5-6. *Three hours a week.*
Spring Quarter.
Laboratory fee, $2.00

Lectures and problems. Kinds of audits, systems of accounts, methods of conducting audits and problems in auditing.

10. INCOME TAX PROCEDURE.

Professor Peacock. Credit, ½ course.
Prerequisite, Accounting 1, 2, 3. *Three hours a week.*
Laboratory fee, $2.00.

This course consists of a thorough study of both the Federal and State Income tax laws and the problems that arise in the making of the various returns. The preparation of the tax returns and claims for refund and abatement will be undertaken as laboratory exercises.

BUSINESS ADMINISTRATION

1. BUSINESS ORGANIZATION.

Professor Matherly. Credit, 1 course.
Prerequisite, Economics 1-2. *Five hours a week.*
Fall Quarter.

The types and methods of business organization with emphasis on the corporation, its nature, development and operation. The external relations of a business organization and the internal co-ordination of the factors in production with a view to the establishment of effective control and definite responsibility for results.

2. INDUSTRIAL MANAGEMENT.

Professor Matherly. Credit, 1 course.
Prerequisite, Economics 1-2. *Five hours a week.*
Winter Quarter.

This course covers the problems involved in the construction, equipment and internal administration of an industrial enterprise. The location of plant; adaptation of building to processes; routing of work; types of specialization and methods of co-or-

dinating workers and departments; the delegation of authority and relation of responsibility to authority; the development and maintenance of standards; methods of purchasing, storing and checking up materials; the determination and recording of costs; the handling of labor.

3. CORPORATION FINANCE.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisite, Economics 1-2. *Five hours a week.*
Spring Quarter.

Methods of financing business enterprise, the principles governing the issuance and proportion of the various classes of securities issued by a corporation; the conditions which lead to the issuance of particular forms of securities, the organization of subsidiaries, methods of financing mergers, combinations and consolidations; amortization of debts; reorganizations intercorporate relations. The preparation of securities with relation to the market.

4. BUSINESS STATISTICS.

PROFESSOR MURCHISON. Credit, ½ course.
Prerequisites, Economics 1-2, *Three hours a week.*
Fall Quarter.

Collection, classification, and presentation of business data. Construction of graphs and diagrams. Study of index numbers. How to make a survey of a given business unit, and of business conditions generally. Each student is required to work out a problem involving simple research methods.

5. INVESTMENTS.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisites, Economics 1-2, *Five hours a week.*
Winter Quarter.

A study of the various forms of investments with reference to their suitability for the different types of investors; the money market, its nature and the financial factors which influence the price movements of securities; elements of sound investment and methods of computing net earnings, amortization, rights and convertibles. The aim will be to train the student so he will be able to act efficiently in a financial capacity either as a borrower or lender, as investor or trustee, or as fiscal agent of a corporation.

6. EMPLOYMENT MANAGEMENT.

Professor Matherly. Credit, ½ course.

Prerequisites, Economics 1-2, *Three hours a week.*
Spring Quarter.

A critical study of the methods of hiring and handling employees in the various lines of industry. The supply, selection, training, promotion, transfer and discharge of employees; the computation and significance of labor turnover; housing, educational and recreational facilities; the functions of an employment department with reference to efficiency and the maintenance of good will between employees and employers.

7-8-9-E. INDUSTRIAL ORGANIZATION AND MANAGEMENT.

Professor Matherly. Credit, 1½ courses.

Prerequisite, Economics 1-2 *Three hours a week.*
Fall, Winter and Spring Quarters.

The elements of business organization with emphasis on the corporation, its nature, its promotion, its financing, and its operation. Internal organization with special reference to methods of control, managerial accounting, cost analysis, financing of current operations, valuation and methods of appraisal, depreciation, sinking funds, and the interpretation of financial statements. The economics of locating and managing industrial plants, the handling of the labor factor through specialized personnel administration and the relations existing between consumers and producers. Open only to engineering students.

COMMERCE

1. MARKETS AND MARKETING.

Professor Murchison. Credit, 1 course.

Prerequisites, Economics 1-2 *Five hours a week.*
Spring Quarter.

The course deals with the organization, methods, principles and policies of the various types of markets. The leading industries are considered with reference to the nature of the product and the processes in production which influence marketing; the nature of the markets, and the mechanism and methods of marketing. Such problems as standardization, brand development, and price policies are also considered.

2. FOREIGN TRADE.

PROFESSOR MURCHISON. Credit, 1 course.
Prerequisites, Economics 1-2 *Five hours a week.*
Spring Quarter.

Analysis of American exports and imports. Development of foreign markets. Actual operations in the shipment and financing of export commodities. Managing a foreign trade organization.

3. SALESMANSHIP.

PROFESSOR ————————. Credit, 1 course.
Prerequisites, Economics 1-2 *Five hours a week.*
Fall Quarter.

This course will include a careful analysis of the psychology of selling; the qualifications of a good salesman, and their development; their relative value of suggestion, persuasion, and argument in securing decision, the scientific analysis of a sale—the preapproach, the approach, the demonstration and consummation. Typical problems in selling at retail and wholesale and in marketing various types of specialties are presented.

4. SALES MANAGEMENT.

PROFESSOR ————————. Credit, ½ course.
Prerequisites, Economics 1-2 *Three hours a week.*
Winter Quarter.

This course follows the course on Salesmanship but goes beyond and considers the organization and operation of a sales department. Some of the subjects studied are: the functions of a sales manager; analysis of the goods, the market and the prospective customers; the planning and management of selling campaigns; sales equipment, records, tests, and relative costs; selecting, training, organizing, surpervising and compensating salesmen.

5. ADVERTISING.

PROFESSOR ————————. Credit, 1 course.
Prequisite, Salemanship. *Five hours a week.*
Spring Quarter.

The course consists of a study of the psychological basis of advertising, the types of advertising, and their adaptation to the various lines of business, the relative value of the various adver-

tising media, the mechanism of an advertisement and methods of testing effectiveness. Attention is also given to the work of planning and executing an advertising campaign and checking up the results. Practical problems are a part of the course.

6. CREDITS AND COLLECTIONS.
Professor ————————. Credit, ½ course.
Three hours a week.
Spring Quarter.

A study of the position of credit in modern industry and its relation to the extension of trade is combined with an analysis of the elements which enter into the determination of credit risks. Consideration is also given to the methods by which credit is extended, the standardization of the forms of credit and the means by which collections may be effected. Some attention is given to the work of collection departments and agencies, and adjustment methods.

7. BANKING PRACTICE. Credit, ½ course.
Professor Murchison. *Three hours a week.*
Prerequisites, Economics 3-4 *Spring Quarter.*

Organization and management of a commercial bank. Duties and responsibilities of different departments. Bank accounting. Handling of credit instruments, checks, drafts, acceptances, bills of exchange. Critical examination of present methods and standards.

11. BUSINESS CYCLES.
Professor Murchison. Credit, ½ course.
Prerequisites, Economics 1-2 *Three hours a week.*
Winter Quarter.

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production.

12-13-14. COMMERCIAL LAW.
Professor Hoyt. Credit, 1 ½ courses.
Prerequisites, Economics 1-2 *Three hours a week.*
Fall, Winter and Spring Quarters.

The aim of the course is to give the student an understanding of the main principles of law which govern in the daily conduct of business. The topics discussed are: Contracts, agency, negotiable instruments, sales, bailments, corporations, partnerships and bankruptcy.

COURSES PRIMARILY FOR GRADUATES

106-107-108. SEMINAR.

PROFESSOR MURCHISON, CHAIRMAN. Credit 1½ courses.

A general introduction to methods of advanced study. Some phase of business activity is selected for consideration in harmony with the interests of the members of the seminar. Methods of work and content receive about equal emphasis.

141. SEMINAR.

Individual research in a special field under direction of a member of the faculty.

Allied Courses

English 20. COMPOSITION.

MR. HOWELL. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

A course similar to English 21 in purpose, but emphasizing commercial relations and problems, and affording practice in the writing of professional forms. Especially designed for students in the School of Commerce.

French 9. COMMERCIAL FRENCH.

PROFESSOR STAAB. Credit, 1 course.
Junior and Senior elective *Five hours a week.*
Prerequisite, French 5. *Spring Quarter.*

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country will be read. Practice in social and commercial correspondence. This course will be largely conducted in French.

Spanish 9. COMMERCIAL SPANISH.

PROFESSOR LEAVITT. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Spring Quarter.*
Prerequisite, Spanish 5.

The object of this course is to give the student practical training in modern Spanish. Newspaper and magazine articles dealing with the life and customs of South America will be read. Practice in social and commercial correspondence. This couurse will be largely conducted in Spanish.

German 31. COMMERCIAL GERMAN.

Professor Toy. Credit, 1 course.
Junior and Senior elective *Five hours a week,*
Prerequisite, one of the following: *Winter Quarter.*
German 21, 22, 23, 25, 26.

This course is designed to meet the needs of those who are preparing to enter commercial life. The methods employed and the material used are such as are adapted to the purpose of this course.

Government 3. GOVERNMENT AND BUSINESS.

Professor Hamilton. Credit, ½ course.
Three hours a week.
Spring Quarter.

A brief course dealing with the relations of modern governments to agriculture, industry, and commerce. After tracing the historical development of these relations for the past century, the remainder of the course will be devoted to an investigation of the purposes and principles underlying present-day conditions. Open only to students in the School of Commerce and those receiving a permit from the instructor.

Sociology 3. STATISTICS AND STATISTICAL METHODS.

Professor Odum. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

A brief survey of the field of theoretical statistics, with a thorough mastery of the elements of numbering, averages, modes, medians, variations, and scientific principles involved. Special emphasis will be placed upon practical methods of utilizing statistics, the recognition of facts, gathering data, compiling, plotting, conclusions, and the special application of statistics to social phenomena.

Psychology 35. COMMERCIAL PSYCHOLOGY.

Professor Dashiell. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisites, Psychology 1 required and *Spring Quarter.*
Psychology 30 (Social) advised.

A survey of psychological aspects of industry and business, and of applications being made from the science of psychology to the latter. To include such topics as class consciousness, vocational guidance, personal management, scientific management, job analysis, advertising and salesmanship, industrial hygiene. The attitude throughout to be scientific and critical. Special needs of students of School of Commerce and Finance to be kept in mind. Readings and discussions.

Geology 5-6. INDUSTRIAL AND COMMERCIAL GEOGRAPHY.

PROFESSORS COBB AND PROUTY AND MR. BABB. Credit, 2 courses.
Five hours a week.
Required of Freshmen in the School of Commerce. *Fall and Winter Quarters.*
Laboratory fee, $2.50 *a quarter.*

Lectures and laboratory work. The first part of the course deals briefly with weather and climate, origin and nature of soils and the chief natural divisions of the world. This is followed by a study of the geography, the commerce and the industry of the more important countries, with especial emphasis on the countries with which we now have or are likely to have extensive commercial relations.

THE SCHOOL OF PUBLIC WELFARE

OFFICERS OF ADMINISTRATION AND INSTRUCTION

HARRY WOODBURN CHASE, Ph.D. LL.D. *President of the University.*
HOWARD WASHINGTON ODUM, Ph.D. *Director of the School of Public Welfare and Consulting Expert for the State Board.*

SPECIAL STAFF OF INSTRUCTION

EUGENE C. BRANSON, Litt.D. *Kenan Professor of Rural Social-Economics and Head of the Extension Bureau of Economics and Social Surveys.*

HOWARD W. ODUM, Ph.D. *Kenan Professor of Sociology and Head of the Extension Bureau of Municipal Information and Research.*

JESSE F. STEINER, Ph.D. *Professor of Social Technology and Head of the Extension Bureau of Community Development.*

HAROLD D. MEYER, A..M *Associate Professor of Sociology and Supervisor of Field Work.*

HARRY W. CRANE, Ph.D, *Associate Professor of Psychology and Psycho-Pathologist for the State Board of Public Welfare.*

WILEY B. SANDERS, A.M., *Instructor in Social Technology, and Secretary of the Bureau of Municipal Information and Research.*

EUGENIA BRYANT, *Supervisor of Family Case Work and Lecturer on Family Case Problems.*

HISTORICAL STATEMENT

The School of Public Welfare of the University of North Carolina was authorized by the Board of Trustees at their mid-year meeting in January, 1920, on the recommendation of President Harry Woodburn Chase. The recommendation was made with the needs both of the college and the extension service of the University in mind and with the thought that such a School of Public Welfare would be built up around the Department of Sociology. In his report to the trustees, President Chase said:

"Nothing is more clear than that, if the citizenship of state and nation is to grapple successfully with the evermore complex problems of modern democracy, if popular government is to work effectively in these confusing times, our educational system as a whole must stress as never before the instruction of our youth in matters of common weal. A knowledge of the fundamental law of society, of what democracy really means and what its problems are, a spirit of social-mindedness which leads the individual to look beyond himself and to think of himself in relation to his community—these things are more and more requisite for good citizenship. The social sciences, including economics, history, government and sociology in its various aspects, must receive a new and more intense emphasis in the higher education of the future. North Carolina, feeling her way towards the solution of new social problems consequent upon the growing complexity of her life, with a new program of social legislation, needs, and will need, leaders well trained in the fundamentals of their task. The proposed School of Public Welfare should help train such leaders, should offer short courses for workers in service, and should, in cooperation with state and national agencies, render assistance to the cause of public health, to superintendents of public welfare, Red Cross workers, secretaries of Chambers of commerce and board of trade, to school systems in their special problems, to bureaus of community recreation—in short, it should both correlate and make distinctive additions to the contributions which the University can render to the development of the human wealth in North Carolina."

THE GENERAL PLAN OF WORK

In accordance, therefore, with the purposes of the School as set forth by the President and Trustees of the University plans for effective organization were begun and tasks entered upon during the Summer School of 1920. To meet the specific needs of the State and the University, and to some extent the South, a fourfold service was planned. The *first* emphasizes *instruction* in Sociology and Social Problems, including teaching in the College and University, extension teaching through the Bureau of Extension for outside communities, and through general instruction and promotion of citizenship. The *second* emphasizes *training for special work and community leadership,* with special reference to town, village and rural communities, and with special application to the State of North Carolina and the South. This division hopes to meet the very urgent demands of the State

for trained men and women for its county superintendents of public welfare and other official positions and of many communities throughout the South for Red Cross secretaries and other community workers in the mill villages and elsewhere. The *third* aspect of the work emphasizes direct and indirect *community service,* or social engineering through the avenues of community leaders, county superintendents of public welfare, local and district conferences, and community planning for leaders, industrial managers and others. The *fourth* aspect emphasizes social research, scientific inquiry, and publication of results estimated to be of value to the State, the University, and to the general of public welfare and social progress. A *fifth* general purpose, kept constantly in the foreground, provides that the School maintain close and cordial coöperation with the State Department of Public Welfare, with other State departments of public service, with other departments and schools of the University, and with local and national voluntary agencies.

UNIVERSITY ORGANIZATION

In the classification of services just described it is important to keep in mind the larger two-fold nature of the work. Instruction in the college and University, together with research into social problems constitute the primary function of the Department of Sociology; while training for professional Social work, extension services, and assistance in coordinating and perfecting public services, mark the primary work of the School of Public Welfare as an integral administrative unit of the University. The work of the Department of Sociology is credited, as other Departments of the college, in the School of Liberal Arts and other Schools, and may be counted toward the several degrees. The graduate degrees given in the School of Public Welfare, with Majors in Sociology or social work, are granted through the Graduate School of the University, as are all other graduate degrees. The University believes that professional training for social work and community leadership will make substantial progress in the projection of the ideals of a university professional school into the practical programs of public welfare. These ideals include: A standard curriculum of permanent and administrative unity; a special faculty of trained teachers; a faculty of cooperating university professors; the large university faculties and influence; a group of students well prepared and possessing the personality and character for leadership; a program of field work which provides adequate training and contributes to com-

munity building; the support of an enthusiastic and informed constituency; cordial cooperation with departments of public service and with private enterprise; the spirit of scientific and constructive work characteristic of the best educational states-

THE PLAN OF INSTRUCTION

In planning the courses of instruction, two important considerations have been kept constantly in mind: The first is to provide the necessary courses, in social theory and applied sociology, for the student who wishes to major in Sociology or to elect subjects from this Department adequate for his purposes. The second consideration has in mind the necessary background, philosophy and technique prerequisite to the preparation for social work in the larger and more effective way. In the first group, courses consist largely of the study of the history and theory of society, together with special problems like immigration, social pathology, penalogy, the negro problem, statistics, and social research and seminars on special topics assigned to the student. Such courses may be elected by college students and counted toward other degrees, or they may be elected and coordinated with the special courses for the training for professional social work.

In the group of courses prepared especially for the training of social workers and community leaders the institutions and institutional modes of life are the centers around which are built the instruction and field work required of all who select this plan of preparation. The six fundamental institutional modes of life emphasized are: The home and family; the school and education; the church and religion; the State and government; industry and work; the community and association. No courses offered in the field of religion and the church, but courses in Philosophy may be elected if desired, and the place of the Church is treated thoroughly in all courses in community organization and community work, as well as in courses dealing with social theory and organization. The plan of instruction, then, follows the division set forth below:

I. General Social Theory.
II. The Home and Family.
III. The Community and Association.
IV. The State, Government, and Public Institutions.
V. The School and Education.
VI. Industry and Work.
VII. Methods of Organization and Administration.
VIII. Field Work.
IX. Summer Institutes of Public Welfare.

In each of these divisions courses listed are correlated with other courses, both in the Department of Sociology and the School of Public Welfare, and in the Departments of Economics, Government, Psychology and the Schools of Education and Commerce. The courses tending more nearly to specialization in industrial management and industrial welfare will be strengthened as the demand increases to include a large number from which to choose. In making plans for enrolling or electing courses the student should make special inquiry to ascertain whether all courses listed are given during any specific year. The exact statement of term courses is given where possible, but the special needs of students, together with other considerations, make it advisable to allow some flexibility in arranging final schedules.

CANDIDATES FOR GRADUATE DEGREES

It is especially desired that these graduate students who are pursuing leading to the Master's degree, if they major in Sociology or Social work, select a minor from the fields of Rural Social Science Economics, Government, Education or History. To those who major in those subjects a special invitation is extended to select a minor in sociology. This degree may be obtained in one year if the applicant is well prepared and does effective work. For those teaching fellows or others who desire to do two or more years of work, or for those who are candidates for the Doctor's degree an excellent program can be mapped out. Much of the best work is done and many of the strongest leaders and educators are developed through such a correlation of the work of the several Departments of Social Science. In each of these fields North Carolina is rich in available opportunities for research and leadership and the several Departments are well equipped to do work of the highest order. In the announcements that follow reference is made to the several Departments and selected courses are listed to indicate the opportunities for appropriate selectives in other Departments.

PUBLIC OFFICIALS AND OTHER TRAINED WORKERS

Of special intetrest to Municipal and County Officers, especially city managers is the new course just announced for municipal officials. This course, given in the School of Commerce, provides for a well rounded series of electives combining courses in the School of Public Welfare, and education with the work done in the School of Commerce and drawing generously on the

Departments of Economics, Sociology, and Civil Engineering. The Freshman and Sophomore classes are provided with the usual standard courses in languages, history, mathematics and prerequisite physical sciences. There is, perhaps, no greater field of need and opportunity to-day than in this field for business managers of municipal and county governments.

But other officials will be equally interested; and students graduating and looking forward to careers of promise should be interested in many of the courses; the judge of the juvenile court; the county commissioner; members of boards of schools and other institutions; county superintendents of public welfare; county demonstration agents; county health officers; community service executives; teachers for schools for adults; and many other public officials of state, county, and municipality.

In the days to come the *visiting teacher* will prove to be one of the most important of all public service individuals and will find in training for community work the basis for outstanding success. The visiting teacher has been described as the agent of adjustment of conditions in the lives of individual children to the end that they may make more normal progress; and this end is attained by visits, first to the school, then to the home, then to the county superintendent of public welfare or other coöperating agency, thus gathering up the loose threads and focussing them upon home. school and community. No less than special classes the school of democracy will have its visiting teachers alongside the superintendent of public welfare to help make democracy real in the unequal places.

THE SCOPE OF PROFESSIONAL COURSES

In addition to the regular graduate degree and the special courses selected and combined to meet the needs of special public officials, the following types of courses are given. Details of these may be gained from subsequent descriptions.

I. A one-year course of professional training consisting of two quarters in residence and one quarter in field work under supervision. This course is open to graduates of colleges of good standing. In addition to the specialized field work required during the third quarter, students taking this course will carry on field work in counties adjacent to the University during the two quarters in residence. A certificate will be issued upon completion of this course.

II. A two years' course of professional training. The first year of this course is identical with the one year course. It will be followed by another year both in residence and in the field. Courses during the second year are designed for more intensive specialization and research and for more responsible administrative and executive work. A diploma will be issued upon completion of this course.

III. A four year collegiate course, leading to the bachelor's degree with major in Sociology or social work is available for undergraduates and especially adapted to those who wish to prepare for special leadership in educational and administrative work in this field. It also makes the student thus graduating eligible for the advanced pure graduate course in Social Work and Administration.

IV. Special courses of one, two or three quarters arranged for students desiring to do special research or short time work. Students not eligible to the regular courses by reason of not holding a degree may be admitted to these special courses as *special students* provided they have had sufficient general education and practical experience to insure satisfactory work.

V. Summer institutes, arranged for special groups including county superintendents of public welfare. county directors of community recreation, Red Cross secretaries, teachers and principals interested specially in community work, and other.

For further particulars concerning scholarships, fellowships, publication, courses, and other details see the special Bulletin of the School of Public Welfare, issued in January; see also the announcement of courses in the Department of Sociology.

THE GRADUATE SCHOOL

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*
EDWIN GREENLAW, Ph.D., *Dean.*

THE ADMINISTRATIVE BOARD

WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Professor of Pharmacology.*

WILLIAM CHAMBERS COKER, Ph.D., *Kenan Professor of Botany.*

WILLIAM MORTON DEY, Ph.D., *Professor of the Romance Languages and Literatures.*

PARKER HAYWARD DAGGETT, S.B., *Professor of Electrical Engineering.*

JAMES MUNSIE BELL, Ph.D., *Smith Professor of Chemistry.*

LESTER ALONZO WILLIAMS, A.M., Pd.D., *Professor of School Administration.*

WILLIAM WHATLEY PIERSON, JR., Ph.D., *Professor of History.*

GUSTAVE ADOLPHUS HARRER, Ph.D., *Associate Professor of Latin.*

CLAUDIUS TEMPLE MURCHISON, Ph.D., *Associate Professor Applied Economics.*

The Graduate School finds its province in the fostering of research, in training students to become investigators and teachers in special fields of learning, and in supplying opportunity for further study to those who have already completed a college course. The University of North Carolina has been interested in research for more than a century, and has made noteworthy contributions in science, history and the languages. Through its research clubs and learned journals, as well as through publications and other contributions to learning made by members of its faculty, the University has acquired the authority to give advanced instruction. For this it is competent both from the standpoint of the personnel of its faculty and in material equipment in libraries and laboratories.

Work for advanced degrees is under the supervision of the Graduate Faculty, which consists of those officers of professorial

rank who are chiefly interested in the Graduate School, either because they offer courses for graduate students or because of their interest in research. The immediate direction of the Graduate School is in charge of an Administrative Board, of which the Dean is chairman.

ADMISSION TO CANDIDACY FOR A HIGHER DEGREE

Not earlier than the last week of his first quarter of residence, a member of the Graduate School may apply for admission to candidacy for a higher degree. This application must be accompanied by a transcript of his undergraduate record in the departments in which he proposes to do his major and minor work, and in allied departments. There must also be a certificate from the heads of the major and minor departments in which the candidate is working at the University of North Carolina as to the candidate's fitness to carry on such advanced work as may be required for the degree. In case a student lacks certain elementary courses in either the major or the minor department, such courses will be indicated on the departmental certificate, and will become prerequisite courses without graduate credit.

It should be noted that this distinction between admission to the Graduate School and admission to candidacy for a degree does not necessarily involve any extension of the time required for the degree. Properly qualified students will register at once, with the approval of the departments interested, for such advanced courses as they wish to take, and all advanced courses completed according to the rules for graduate work will be credited towards the degree.

EXPENSES

See page 71.

UNIVERSITY TEACHING FELLOWSHIPS

Twenty Teaching Fellowships, each with a stipend of $500, are available to graduate students. These Fellowships carry free tuition, and are payable in nine monthly installments, beginning October 15th of the year for which they are awarded. Holders of these Fellowships are expected to perform certain limited services as teachers or laboratory assistants in the department to which they are assigned. This department must be the major department of graduate study, and each holder of a Fellowship will be required to pursue advanced courses in the department during his term as Fellow.

Fellowships are awarded only to men who present satisfactory records as students and who give promise of being able to carry on advanced work with distinction. Teaching experience is desirable, but is not required. The time required for the Master's degree may be extended in the case of men who hold Fellowships; ordinarily such men will not find it possible to register for more than two-thirds of the program ordinarily carried by graduate students.

Correspondence in regard to the Teaching Fellowships may be addressed to the Dean or to the head of the department in which the candidate proposes to do his major work. A special form of application, to be secured from the Dean's office, must be filed on or before April 1st. Elections to Fellowships will be made by the Administrative Board of the Graduate School, on nomination by the department to which the Fellowship is to be assigned.

GENERAL REGULATIONS

The unit of work is the course, by which is meant, as a rule, a class meeting five times a week. Half courses are also offered. In some courses open only to graduate students, such as the seminars and other research courses, the formal class exercises are modified. But all such work is credited in terms of courses and half courses.

Students are ordinarily expected to register for three courses. But two half courses may be substituted for a full course. Not more than three courses, or fifteen hours of class attendance, will be permitted. Students of more than one year's standing, candidates for the doctor's degree, are permitted greater latitude with reference to courses for which formal registration is required. Such considerations as the amount of time devoted to research, to work on the doctoral dissertation, and the like, weigh in the estimate of what constitutes full work. But in all such cases detailed reports by the Department are required before residence credit is given.

Graduate students who desire credit for attendance at the Summer Session must register at the office of the Dean. The rules respecting admission to candidacy for higher degrees, for selection and approval of courses, and for the higher degrees, are the same in their application to Summer Session students as in the case of students registered for the regular sessions.

Teachers of experience whose credentials and work are satisfactory to the Administrative Board may complete the requirements for the Master's degrees in four summer sessions. Such students will be expected to continue their studies during the year

under direction of the special committee in charge of their work, and may do part of the work required for their thesis in this manner. In certain approved cases, also, a limited amount of credit may be transferred from work done in another University Summer School. Every such case is treated individually, and must be approved by the Administrative Board, on recommendation of the Department, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find five summers necessary for completion of the requirements for the Master's degree.

Only work announced as open for graduate credit in this Bulletin or in the Bulletin of the Summer Session may be counted toward the higher degrees.

Work done *in absentia* will not be counted for graduate credit, except that in certain cases approved by the Department and by the Administrative Board, part of the work on the thesis for a higher degree may be done elsewhere, and except, further, that part of the work required for the degree of Doctor of Philosophy, may, on the recommendation of the major department and with the approval of the Administrative Board, be done at another University. But all such work, even when credited, is subject to examination at the finals required for the degree.

Graduate students are subject to the same rules regarding attendance upon classes, faithfulness to assigned tasks, examinations and credit as students in other departments of the University. But graduate work usually pre-supposes a greater amount of time for research in the library or the laboratory, and the student, being more mature, is thrown more upon his own responsibility. For these reasons excessive registration is not permitted. The whole idea of graduate work is comprised in a more intense specialization and, therefore, more complete investigation than is necessary or wise in undergraduate instruction.

Each graduate student works under the direction of a special committee which consists usually of the head of the major department, or of some member of the staff of that department under whom the candidate is doing special work, who serves as chairman, and the other instructors with whom the candidate is registered.

No work falling below the standard represented by the grade of "3" is counted for graduate credit. At least half the work credited for any one year of residence must be of grade "2," or better.

THE GRADUATE DEGREES

The degrees under the supervision of the Graduate Faculty are Master of Arts (A.M.), Master of Science (M.S.), and Doctor

of Philosophy (Ph.D.). For a complete statement of the requirements for these degrees reference must be made to the special Bulletin of the Graduate School, published in February of each year.

THE DEGREE OF MASTER OF ARTS

For the degree of Master of Arts the general prerequisite is the completion of a course leading to the degree of Bachelor of Arts in a college or university of standard grade. This course should have included special study in the department in which the graduate degree is sought sufficient in extent to constitute a proper preparation for advanced work. If the undergraduate preparation has been insufficient certain preliminary courses may be required before the student is admitted to candidacy for the degree.

Nine full courses of advanced character are required for the Master's degree. To complete these courses as least one full year's residence is required. No course will be counted for the degree unless it appears in the Graduate Bulletin, catalogue number, or is approved by the Administrative Board. Of the nine courses offered, six must be from one department recognized as the major, but with the approval of the special advisory committee and of the Administrative Board, closely allied work in another department may be accepted as a part of the major. More than six courses in one department may not be counted except under special conditions approved by the Administrative Board.

The remaining three courses, constituting the minor, are to be chosen from a department different from the major. But the relation of the minor to the major must be such as to constitute a clearly unified program.

Ordinarily a reading knowledge of at least one modern foreign language is expected of candidates for the degree.

Besides the completion of advanced courses that constitute a unified plan of study, the fitness of the student for the degree is tested in two ways: by a thesis and by oral and written final examinations. The thesis tests the candidate's knowledge of the method of investigation and his ability to make use of the knowledge he has acquired. The examinations test his knowledge of his special field by directing attention to the field as a whole, as contrasted with the course, which deals only with a limited portion of the field.

The subject chosen for the thesis should be approved by the advisory committee and reported to the Administrative Board by the end of the first quarter of residence. No change in subject, or deferring of the time of approval, will be permitted un-

less at least two quarters of residence intervene between the approval of the subject and the conferring of the degree, except that, with the permission of the Administrative Board, the thesis may be completed by a student not in residence who has satisfied the requirements as to courses.

For details concerning the character of the thesis, the form in which it is to be presented, and concerning the examinations for the degree, the student is referred to the catalogue number of the Graduate Bulletin.

THE DEGREE OF MASTER OF SCIENCE

The subjects of major study may be Chemistry, Electrical Engineering, or Geology, and the prerequisite courses are the courses leading to the degrees: B.S. in Chemistry, B.S. in Electrical Engineering, and B.S. in Geology respectively. Before becoming a candidate for a master's degree the student must complete the courses leading to the bachelor's degree as outlined in the general catalogue.

Courses Leading to the Degree of Master of Science

I. Master of Science in Chemistry

One of the groups:
- Chemistry 127-128-129
- Chemistry 177-178-179
- Chemistry 197-198-199

Two of the groups:
- Chemistry 114-115-116
- Chemistry 124-125-126
- Chemistry 174-175-176
- Chemistry 194-195-196

Three approved courses from one of the following departments:
- Electrical Engineering
- Geology
- Mathematics
- Physics

II. Master of Science in Electrical Engineering

Electrical Engineering 100-101-102

Electrical Engineering 110-111-112

Three approved courses from one of the following departments:
- Civil Engineering
- Chemistry
- Geology
- Physics

III. MASTER OF SCIENCE IN CIVIL ENGINEERING.

Civil Engineering 100a-100b-100c
Civil Engineering 103a-103b-103c
Civil Engineering 106a-106b-106c
Civil Engineering 107a-107b-107c

One of these groups to be selected as a major.

Approved courses in the following departments; the arrangement and number of courses to be decided upon after conference with the Department of Civil Engineering.

Mechanical and Electrical Engineering
Chemistry
Geology
Mathematics
Physics

IV. MASTER OF SCIENCE IN GEOLOGY

Geology 104-105-106
Geology 107-108-109

Three approved courses in the following departments:

Chemistry
Civil Engineering
Botany and Zoology

Other Requirements

The requirements regarding modern language, thesis, examinations, committee, residence, and conferring of degrees are the same as for Masters of Arts.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred only upon those who have completed, with high distinction, a period of extended study and investigation in a single field of learning during which they have gained control of the materials in the chosen field, have mastered the method of advanced study, and have illustrated this method through a dissertation, the result of independent research, which adds to the sum of human knowledge or presents results that have enduring value. Neither the accumulation of facts, however great in amount, nor the completion of advanced courses, however numerous, can be substituted for this power of independent investigation and the proofs of its possession. While it is true that a well prepared student of good ability may secure the degree upon the completion of three

years study, it should be understood that this time requirement is wholly secondary to other considerations that will be explained in the following paragraphs.

Admission and Registration

The rules for admission to courses leading to the degree of Doctor of Philosophy and for registration for courses in the first year of residence are the same as those stated above in the section on the degree of Master of Arts. The work for the first year is substantially the same as that provided for candidates for the Master's degree, and while it is not necessary to take the Master's degree it is usually advisable. The provisions for choice of major and minor subjects, and for the direction of the student's work by a special committee, are as already set forth under the requirements for the Masters' degree.

Second and Third Years

Not later than the beginning of the second year's work a tentative program of study must be approved by the special committee and by the Administrative Board. During the second year this program may consist chiefly of advanced courses in both major and minor fields. The minor should be completed during this year. A reading knowledge of French and German, to be certified by the respective departments, is essential to the work of the second year, and in the case of certain subjects other language requirements may be imposed by the special committee. During the second year, also, work on the dissertation should be begun.

Not earlier than the end of the second year, and at least one academic year prior to the Commencement at which the degree is expected, a preliminary oral examination shall be given by the special advisory committee in charge of the candidate's work plus all members of the staff of the major and minor departments. This examination shall cover all the work of the two years. As a rule, no student will be admitted to candidacy for the doctorate until this examination has been passed.

The work of the third year requires no special registration in courses, though the candidate will find it advisable to attend certain courses as a lecture student. The major portion of the time is to be spent upon the dissertation or upon special laboratory or research work, and in preparation for the final examinations. A portion of the second and third years may be spent in residence at another university. In some departments such residence is required, the university being chosen according to the

student's need for special courses in the field of his dissertation, or for the library or laboratory facilities it offers. Instead of another university, work in a large library or in some special laboratory may be substituted at the discretion of the student and his advisory committee.

The Dissertation

The subject chosen for the dissertation must be approved by the committee and by the Administrative Board not later than the time of the preliminary examinations. But work upon it, such as preliminary bibliography, collection of material, etc., should be begun earlier than this. The dissertation is the fruit of thorough investigation of a definite problem and finds its value in the scholarly and workmanlike manner in which it is presented, in its contribution to learning, and in the mental power which it displays. By "contribution to learning" is understood not necessarily the discovery of something previously unknown but the presentation of the results of the investigation of a worthwhile problem in such a way as to merit the claim of originality.

The dissertation must be presented, in three typewritten copies, at least six weeks before the Commencement at which the candidate expects his degree. It must comply with the rules for form of theses prescribed by the Administrative Board, and abstracts must be supplied as under the rules for Master's theses. A thesis committee, appointed by the Dean, shall examine the dissertation, and no dissertation shall be accepted unless it secures the unanimous vote of the committee.

Publication of the dissertation, except by abstract in the Graduate Bulletin, is not required. But the various journals published by the University afford opportunity for such publication, in whole or part.

The Examinations

Reference has already been made to the preliminary examination required for admission to candidacy for the doctorate.

At least four weeks before the end of the period of study a written examination in the major subject must be passed by the candidate. This examination, which is conducted under the direction of the major department, may be limited to the courses taken by the candidate, but as a rule it is based upon the entire field of knowledge represented by the major.

The final oral examination must take place at least two weeks before the Commencement at which the student is a candidate for

the degree. The committee to have charge of this examination is appointed by the Dean, and includes the head of the major department or his representative as chairman, with other members of the major and minor departments as assistants. The date and place of the examination shall be publicly announced, and the examination shall be open to any member of the Graduate Faculty.

FACILITIES FOR RESEARCH

Statements concerning the libraries of the University and concerning laboratory facilities will be found elsewhere in the catalogue. The University publishes three journals of research, all of them firmly established and widely known. *The Elisha Mitchell Journal,* now in its thirty seventh volume, has published a very large number of scientific papers, particularly in chemistry, botany and zoology. The *James Sprunt Historical Monographs,* of which seventeen volumes have appeared, are devoted to the results of historical studies, chiefly relating to North Carolina. *Studies in Philology,* a quarterly journal, now in its nineteenth volume, originally was devoted to the publication of monographs by members of the language departments of the University, but is now conducted on the same lines as *Modern Philology, Modern Language Notes, The Classical Journal,* and other journals of research, printing contributions by the foremost American scholars.

Several departments maintain their own clubs for the purpose of stimulating interest in research. Of wider appeal are such organizations as the Elisha Mitchell Scientific Society, founded in 1883, and the Philological Club, founded and maintained by the language departments of the University. To these organizations graduate students are admitted. There is also a Graduate Club, composed of students and members of the Graduate Faculty, which holds monthly meetings for the purpose of stimulating interest in the method of research in general, and in the relation of various fields of investigation to each other. The organization publishes an annual *Year Book,* a record of its activities and of research at the University, with items of interest concerning former members of the Graduate School.

A Bulletin of *Research in Progress* is issued annually by the Graduate School, and contains abstracts of publication by members of the faculty, abstracts of theses presented for advanced degrees, and reports of investigations under way in the various departments.

FURTHER INFORMATION

Inquiries as to advanced work in special departments may be addressed to the heads of departments in which the student is interested. Inquiries relating to graduate work in general, admission, credits, requirements for degrees, requests for bulletins, and the like, should be addressed to the Dean of the Graduate School.

THE SCHOOL OF LAW

FACULTY

Harry Woodburn Chase, Ph.D., *President.*
Lucius Polk McGehee, A.B., *Dean.*

Lucius Polk McGehee, A.B., *Professor of Law.*
Patrick Henry Winston, *Professor of Law.*
Atwell Campbell McIntosh, A.M., *Professor of Law.*
Maurice Taylor Van Hecke, Ph.D., J.D., *Associate Professor of Law.*
Robert Hasley Wettach, A.M.,LL.B., S.J.D., *Assistant Professor of Law.*

HISTORICAL SKETCH

The law school, which developed into the Law School of the University, was founded in 1843 at Chapel Hill as a private school by William H. Battle, then a judge of the Superior Court, later a justice of the Supreme Court of the State. In 1845 Judge Battle was made Professor of Law in the University, and it was provided that the degree of Bachelor of Laws should be conferred on those completing the prescribed two-year course. From the records of the University, however, it seems that few degrees were actually conferred. For a long time the school maintained a certain independence of the University. The Professor of Law received no salary, though he enjoyed the fees from his classes, and the students were not entirely subject to the discipline of the University.

This was the position of the school from its formation until 1899, a period which covered the professorship of Judge Battle who retired in 1879, two years when the law classes were conducted by Hon. Kemp P. Battle, then President of the University, and the professorship of Dr. John Manning, elected 1881, died 1899. In 1899 the school was completely incorporated into

* Number of hours a week.

the University, with the late Judge James C. MacRae, previously a justice of the Supreme Court of North Carolina, as the first Dean of the Law School.

REQUIREMENTS FOR ADMISSION

See page 58.

EXPENSES

See page 71.

REQUIREMENTS FOR GRADUATION

For the Degree of LL.B.

The degree of LL.B. is conferred on students who having satisfied the entrance requirements of candidates for the degree complete satisfactorily the three years course of study on pages 187-190.

For the Combined Degrees of A.B. and LL.B.

The University offers the combined degrees of A.B. and LL.B. to students who have complied with the following requirements:

The courses in the College of Liberal Arts outlined below; all academic work to be completed before matriculation in the School of Law; the completion of all courses in the School of Law for the degree of LL.B.

Students taking this combined course will be enabled to get the two degrees in six instead of seven years.

Prescribed courses in the College of Liberal Arts for the combined degree:

FIRST YEAR	SECOND YEAR	THIRD YEAR
Eng. 1	Eng. 3-4	Econ. 1-2
Select	Lat. 3-4	Philos. 1
Math. 1-2	Hist. 3-4	Eng. 2 courses
Lat. 1-2	Select one: Greek 5 / French 5 / Ger. 21	History and Govt. 2 courses
one: Greek 3-4 / French 3-4 / Ger. 3-4	Select one: Math. 3-4 / Phys. 1-2 / Chem. 1-2	Elective 2 courses
Hist. 1-2		

REGULARITY OF ATTENDANCE ON CLASSES—ABSENCES

Students are required to be regular in attendance on all courses for which they are registered. A failure in regular attendance may prevent his receiving credit for the course. Students must report weekly at the office of the Dean on all absences. All unexcused absences must be explained to the satisfaction of the instructor teaching a course before the student will be admitted to the examination on the course.

NUMBER OF HOURS OF WORK REQUIRED AND PERMITTED

Students are not permitted to take more than fifteen hours of work weekly except with the special permission of the Faculty, granted only for good cause.

No student, unless he is also taking other courses in the University. will be permitted to take less than ten hours of work weekly, nor will a student taking less than ten hours weekly be considered as studying law within the rule of the Supreme Court requiring two years of study of law as a necessary preliminary of applicants for license to practice in North Carolina.

DIVISIONS OF ACADEMIC YEAR: DATES

Work in the School is divided into two semesters instead of into three quarters. The first semester begins at the same time as the fall quarter of the College of Liberal Arts, and ends on the Saturday before the second Monday in February. The second semester begins on the second Monday in February and ends at the same time as the third quarter of the College of Liberal Arts.

COURSES AND METHODS OF INSTRUCTION

The courses offered and the general order in which it is advisable that they should be presented is indicated in the Program of Studies given below. Subjects required for the State Bar examination and not included in the first or second year courses outlined below may be taken in the summer school either after the first or second year. The instruction is mainly by study of cases and quizzes in connection therewith but some courses are given in lectures or in connection with text books.

PROGRAM OF STUDIES

Synopsis of Courses

	First Semester	Second Semester
FIRST YEAR		
Contracts	3*	3
Torts	3	2
Property I	3	3
Civil Procedure I	2	2
Criminal Law	3	-
Legal Bibliography	1	-
Equity I	-	2
Agency	-	3
SECOND YEAR		
Property II	2	2
Equity II	2	2
Civil Procedure II	2	2
Evidence	2	2
Negotiable Instruments	3	-
Persons	3	-
Practice (drawing deeds, agreements)	1	-
Sales	-	3
Wills and Administration	-	3
Practice (Forms under Code)	-	1
THIRD YEAR		
Constitutional Law.	2	3
Private Corporations	2	2
Administrative Law	3	-
Insurance	3	-
Partnership or Mortgages and Suretyship	3	-
Federal Courts or Bankruptcy	2	-
Conflict of Laws	-	3
Trusts	-	2
Public Service Corporations or Statutes	-	3
Municipal Corporations or Damages	-	2

* Number of hours a week.

First Year

Contracts: Three hours, both semesters. McIntosh's *Cases on Contracts.* Professor McIntosh.

Torts: Two hours, fall semester, three hours, spring semester. Burdick's *Cases on Torts.* Professor Winston.

Property I: Three hours. both semesters. Warren's *Cases on Property.* Professor McGehee.

Civil Procedure I: Two hours, both semesters. The principles of civil procedure at common law with references to modern statutory modifications, followed by an outline of equity pleading, as an introduction to Civil Procedure II. Scott's *Cases on Civil Procedure*; Rush's *Equity Pleading.* Professsor McIntosh.

Criminal Law: Three hours, fall semester. Includes outline of criminal procedure. Derby's *Cases on Criminal Law.* Professor Wettach.

Agency: Three hours, spring semester. Reinhard's *Cases on Agency.* Professor Wettach.

Equity Jurisprudence I: Two hours, spring semester. General principles and maxims, injunctions against torts. Clark's *Cases on Equity, Part I.* Professor Winston.

Legal Bibliography: One hour, fall semester. Introduction to knowledge and use of law books. Professor Van Hecke.

Second Year

Property II: Two hours. both semesters. Aigler's *Cases on Title to Real Property; selected cases.* Professor McGehee.

Equity II: Two hours, both semesters. Clark's *Cases on Equity, Parts I and III.* Professor Van Hecke.

Procedure II: Two hours, both semesters. Procedure under the code of Civil Procedure. N. C. Code of Civil Procedure; Lloyd's *Cases on Civil Procedure.* Professor McIntosh.

Evidence: Two hours, both semesters. Thayer's *Cases,* second edition. Professor Van Hecke.

NEGOTIABLE INSTRUMENTS: Three hours, fall semester. Colson's and Huffcut's *Cases.* Professor Wettach.

SALES: Three hours, spring semester. Williston's *Cases on Sales,* third edition. Professor Wettach.

PERSONS: Three hours, fall semester. Woodruff's *Cases on Persons and Domestic Relations,* third edition. Professor Wettach.

WILLS AND ADMINISTRATION: Three hours, spring semester. Making and construction of wills, administration of estates. Warren's *Cases on Wills; N. C. Statutes.* Professor Winston.

PRACTICE: One hour a week for the year. The fall term is devoted to preparation of deeds and various agreements; the spring term to pleading and papers required in litigation. Professors Winston and McIntosh.

Third Year

CONSTITUTIONAL LAW: Two hours, fall semester; three hours, spring semester. Hall's *Cases.* Professor McGehee.

PRIVATE CORPORATIONS: Two hours, both semesters. Warren's *Cases on Corporations.* Professor Van Hecke.

ADMINISTRATIVE LAW: Three hours, fall semester. Public officers, administrative officials and boards; character and finality of their actions; remedies. Freund's *Cases in Administrative Law.* Professor McGehee.

INSURANCE: Three hours, fall semester. Richard's *Cases on Insurance.* Professor Winston.

PARTNERSHIP: Three hours, fall semester, 1923-1924 and alternate years. Mechem's *Cases on Partnership,* third edition. Professor Winston.

MORTGAGES AND SURETYSHIP: Three hours, fall semester, 1922-1923 and alternate years. Text to be selected. Professor Winston.

Federal Courts: Two hours, fall semester, 1922-1923, and alternate years. Hughes *Federal Procedure.* Professor McIntosh.

Bankruptcy: Two hours, fall semester, 1923-1924, and alternate years. Student's Remington. Professor McIntosh.

Conflict of Laws: Three hours, spring semester. Beale's *Cases on Conflict of Laws, Shorter Course.* Professor Wettach.

Trusts: Two hours, spring semester. Clark's *Cases on Trusts.* Professor Winston.

Legislation: Three hours, spring semester, 1923-1924 and alternate years. Assigned Statutes, constitutional provisions, and cases. Professor Van Hecke.

Public Service Corporations: Three hours, spring term, 1922-1923 and alternate years. Text to be selected. Professor Van Hecke.

Municipal Corporations: Two hours, spring term, 1923-1924 and alternate years. Macy's *Cases.* Professor McIntosh.

Damages: Two hours, spring term 1922-1923 and alternate years. Mechem and Gilbert's *Cases on Damages.* Professor McIntosh.

THE NEW LAW BUILDING

During the year 1922-1923, the Law School will move into the new law building, built from the appropriation provided for the University by the General Assembly of 1921. The new building will be a beautiful addition to the group of University buildings, and will be provided with ample accommodations for lecture halls, library and reading rooms.

THE NORTH CAROLINA LAW REVIEW

The North Carolina Law Review, issued quarterly, is published by the Law School. It is devoted to discussion of legal problems and new cases, especially those of interest to North Carolina lawyers. The opportunity afforded the more advanced students of the School, whose work is of high grade, to take part

in the preparation and management of the Review, should be of the greatest advantage to them and an incentive to the highest effort.

STUDENTS' LAW CLUBS

The students of the School of Law are organized into Law Clubs in which instructive voluntary practice is afforded in the preparation, argument and trial of legal questions, and in the use of legal authorities. Each member of the club is expected during the year to take part in several such trials in conformity with the programs of the clubs, which are standardized. This work is carried on with the co-operation of the Law Faculty.

ADDITIONAL OPPORTUNITIES OF UNIVERSITY LIFE

Students in the Law School may be admitted without additional expense to the course given in the Departments of Economics, Philosophy, and History in the College of Liberal Arts and to the courses in Public Speaking and English, subject to the rules stated as to the number of hours which a student may take, and subject to the approval of the Dean of the School of Law. A student taking such a course must satisfy the entrance requirements for the course selected.

Students of the School may become members of the Dialectic and Philanthropic Literary Societies, where they may take part in or witness debates of a high order and train themselves in parliamentary law.

As students of the University, they enjoy all the privileges of the University library, the University gymnasium, and the organizations of the University generally, literary, social, and athletic.

SUMMER LAW SCHOOL

A summer course in law is offered, beginning the day after Commencement and continuing to the end of the week preceding the Supreme Court examination for admission to the Bar in August. It is intended to provide a review of the course required by the Supreme Court of the State for applicants for license.

SESSION

The term for the summer of 1922 begins Thursday, June 15, and ends Friday, August 18, three days prior to the examination before the Supreme Court for admission to the Bar of North Carolina.

LECTURES AND RECITATIONS

At this session two daily lectures and recitations of one hour and a half each will be held by professors of the Law Faculty and competent instructors. In addition there will be frequent quizzes. The two courses offered are intended to cover the requirements for reading prescribed, given below, in the rules of the Supreme Court of North Carolina. The instruction is conducted by means of text-books, lectures, leading cases and quizzes.

An outline of the work and of the time assigned to the various subjects is approximately as follows:

Domestic Relations (6 lectures); Contracts and related topics (18 lectures); Torts and related topics (10 lectures); Corporations (8 lectures); Evidence (6 lectures); Pleading and The Code (10 lectures); Criminal Law (6 lectures); Property real and personal (22 lectures); Executors and Administrators (6 lectures); Equity (10 lectures); Constitutional Law (9 lectures); Legal Ethics (1 lecture).

The text-books used will be, as far as possible, those used at the regular session of the school, but any standard text-book on any of these subjects will be accepted.

EXAMINATIONS

No entrance examination is required; but each student must satisfy the faculty that he has sufficient general education to

enable him to take the course with profit to himself. Examinations are required as each subject is completed, and at the end of the term certificates to that effect are issued to such students as have passed with credit all examinations in both courses. These certificates will not entitle the recipients to any credit in the work of the regular school.

FEES AND EXPENSES

Tuition for term	$30.00
Registration and Incidental Fees	5.00

The above mentioned fees cover privileges of the University library, gymnasium, and baths. Board in the village, with room, will cost from $25.00 to $37.50 a month; without room, from $20.00 to $30.00.

For further information address the President of the University or the Dean of the School of Law, Chapel, Hill, N. C.

THE SCHOOL OF MEDICINE

FACULTY

HARRY WOODBURN CHASE, Ph.D., *President.*
ISAAC HALL MANNING, M.D., *Dean.*

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy.*
ISAAC HALL MANNING, M.D., *Professor of Physiology.*
WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Professor of Pharmacology.*
JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*
ROBERT BAKER LAWSON, M.D., *Associate Professor of Anatomy.*
WESLEY CRITZ GEORGE, A.B., Ph.D., *Associate Professor of Histology and Embryology.*
HORACE BROCKMAN ANDERSON, *Associate Professor of Pathology.*
FRANK RAY YARBOROUGH, A.B., *Assistant in Pathology.*
ALLEN ALEXANDER MINER, A.B., *Assistant in Bacteriology.*
JOHN WARREN HENDERLITE, A.B., A.M., *Assistant in Pharmacology.*
HOWARD ALEXANDER PATTERSON, A.B., *Assistant in Physiological Chemistry.*
ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*
JOHN GROVER BEARD, Ph.G., *Professor of Pharmacy.*

HISTORICAL SKETCH

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine, as was the custom at the time, was offered, but this plant was found impracticable and was abandoned in of the subjects of the medical course had begun, and it became possible for a university, without clinical facilities, to offer instruction in the elementary subjects. Dr. Richard H. Whitehead was then elected Professor of Anatomy, and under his guidance the School was re-opened and has continued without interruption. 1886. In 1890, however, a more orderly and logical arrangement

In 1900, the medical course having been extended in the better class of schools to four years, the subjects of the first two years were offered at the University. In 1902 a Clinical Department was established at Raleigh, but after several years of unsuccessful effort to provide for its proper support, it was abandoned. In 1908 the School was admitted to membership in the Association of American Medical Colleges, and is graded in the class A group by the American Medical Association.

REQUIREMENTS FOR ADMISSION

See page 64.

EXPENSES

See page 71.

COURSES OFFERED

The following courses are offered:

1. A Premedical Course of Two College Years. This course is arranged to provide the subjects and number of hours required for admission by a large number of medical schools. It is offered as a guide to those students beginning a preparation for the study of medicine who are unwilling or unable to take a more extensive collegiate course. See page 126.

2. A Combined Course Leading to the Degree of Bachelor of Science. This is a combination course of three collegiate years including the subjects most fundamental in the preparation for the study of Medicine and the medical course of two years, on the completion of which the degree of Bachelor of Science is granted. The student may, therefore, obtain a collegiate degree and the degree of Doctor of Medicine in seven years. It is recommended to those who find it impracticable to spend four years in collegiate work. See page 124.

3. The Medical Course. The course leading to the degree of Doctor of Medicine consists regularly of four years in strictly medical subjects. The subjects are arranged naturally into two main groups: the so-called Laboratory and Clinical groups, and two years are given to each group. The medical course offered includes the subjects of the first group and occupies a period of two years. On completing this course, the student is prepared to begin the study of the clinical subjects, and may enter the third year in other medical schools. Full credit is allowed in practically all medical schools.

THE MEDICAL COURSE

First Year

Biological Chemistry: Six hours weekly, first and second quarter.

Toxicology: Six hours weekly, third quarter.

Histology: Fifteen hours weekly, first quarter.

Osteology and Arthrology: Six hours weekly, first quarter.

Gross Anatomy: Thirty hours weekly, second quarter.

Neurology: Twelve hours weekly, third quarter.

Embryology: Three hours weekly, first and third quarters.

Applied Anatomy: Six hours weekly, third quarter.

Pharmacy: Six hours weekly, third quarter.

Second Year

Physiology: Six hours weekly; first half; ten hours weekly, second half.

Physiological Chemistry: Six hours weekly, first half.

Bacteriology: Nine hours weekly, first half.

Pathology: Ten hours weekly, first half; thirteen hours weekly, second half.

Pharmacology: Three hours weekly, first half; ten hours weekly, second half.

Minor Surgery and Physical Diagnosis: Four hours weekly, second half.

Hygiene: One hour weekly, second half.

Summary of First and Second Years

Subjects	*Hours*
Chemistry (Biological)	180
Anatomy	780
Physiology	350
Bacteriology	135
Pathology	366
Pharmacology	210
Pharmacy	90
Minor Surgery and Physical Diagnosis	60
Hygiene	15

EXAMINATIONS

Regular examinations on the first year subjects will be held during the examination periods of the College of Liberal Arts at the close of each quarter. In the second year the examinations

will be held at the close of the year, except in Bacteriology, which is given at mid-term. Special examinations for the removal of conditions will be allowed during the week preceding the close of the third quarter and during registration week in September.

An examination will not be allowed a student who is charged with ten per cent of unexcused absences, or with absences amounting to twenty per cent of the total number of hours assigned the subject.

PROMOTIONS

If a student makes a grade of six (6), or its equivalent, or fails on a second examination in any subject, he will be required to repeat the subject with the succeeding class. If a first year student fails on two subjects he will not be registered at the next session as a second year student, but as a special student, and he will be required to repeat all subjects of the first year in which his work has been unsatisfactory. He will be allowed to take only such subjects of the second year as will not conflict with such subjects of the first year as he may be repeating.

If a second year student makes a grade of five on any subject he will be allowed a second examination during the month of July. If he makes a grade of six (6) on one of the major subjects, or a grade of five on two of the major subjects he will not be recommended for admission to the third year of any medical school. He may be readmitted to the succeeding second year class provided there is a vacancy and there is, in the judgment of the medical faculty, a reasonable hope of his doing creditable work.

A certificate will be granted to a student who completes satisfactorily the required preliminary work and the medical course. In the event of a failure to complete the work a statement indicating the subjects completed will be given. Credits will not be allowed for attendance only.

LABORATORIES

For description of the medical laboratories see page 49.

SCHOLARSHIPS

THE WOOD SCHOLARSHIP. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her husband, the late Dr. Thomas Fanning Wood, a scholarship covering the tuition and fees.

COURSES OF INSTRUCTION

Chemistry

73. TOXICOLOGY.

Professor Wheeler and Messrs. Patterson and Prout. — *Six hours a week.* Winter Quarter.

Prerequisites, Chemistry 61-62.

The chemical behavior of poisons and their separation from foods and animal tissues.

Anatomy

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the Central Nervous system and the organs of Special Sense.

Ample facilities are offered to any who may desire to pursue advanced work in the field of Anatomy.

1. OSTEOLOGY AND ARTHROLOGY.

Professor Mangum. — *Six hours a week.* *Fall Quarter.*

Detailed study of the skeleton, each student being provided with a complete set of disarticulated bones which he is required to demonstrate and draw.

The joints are studied from prepared specimens.

2. GROSS ANATOMY.

Professor Mangum. — *Thirty hours a week.* *Winter Quarter.*

The student makes a complete dissection of the human body under the constant supervision and direction of an instructor, who insists upon the use of the texts, guides, and atlases, and holds practical examinations upon the cadaver. Laboratory talks, demonstrations, and conferences take the place of lectures.

Texts: Cunningham, Gray, Piersol.

3. GENERAL HISTOLOGY AND ORGANOLOGY.

Professor George. — *Fifteen hours a week.* *Fall Quarter.*

This course includes: (a) study of the fundamental tissues, followed by (b) the study of the microscopic structures of the various organs. Lectures, demonstrations, and laboratory.

Text: Lewis and Stöhr.

4. CYTOLOGY AND HISTOGENESIS.

PROFESSOR GEORGE.

Those who have completed course 2 or its equivalent will be offered an opportunity to pursue further work in Cytology and Histogenesis. Arrangement for this course may be made with the instructor.

5. EMBRYOLOGY.

PROFESSOR GEORGE. *Three hours a week—Fall Quarter.*
Six hours a week—Spring Quarter.

(a) Lectures and laboratory study of the early processes in the formation of the vertebrate body.

(b) Lectures, demonstrations, and laboratory study of mammalian embryos.

6. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE.

PROFESSOR MANGUM. *Eight hours a week.*
Spring Quarter.

A special laboratory study of the gross and microscopic anatomy of the cord and encephalon. Each student is provided with numerous prepared dissections of the human brain and a series of sections through the cord of the brain stem, which he studies with the aid of a guide. A human brain is then given to each group of four men and by them dissected in order to correlate and systematize the work already done. A practical examination tests the student's ability to locate the various tracts and nuclei.

7. APPLIED ANATOMY.

PROFESSOR LAWSON. *Nine hours a week.*
Spring Quarter.

Embraces the external markings and surface anatomy of the organs (viscera, vessels, nerves, etc.), their location and interrelationships; topographical landmarks (normal and abnormal); incisions to reach arteries and nerves; influence of muscles upon fractures and luxations; and many other practical facts which may serve as aids to diagnosis and treatment. Instruction is by lectures and demonstrations upon the cadaver. Special dissections, preparations, models, and numerous drawing by the students are used as aids in this course.

Text: Davis.

PHYSICAL DIAGNOSIS.

Professor Lawson. *Six hours a week.*
Spring Term.

Lectures and Laboratory: A brief course in the methods of physical examination, largely of the normal person. As far as possible, abnormal heart and lung cases will be submitted for examination.

Text: DaCosta.

MINOR SURGERY.

Professor Lawson. *Six hours a week.*
Spring Term.

Lectures and Laboratory: The lecture course will cover the method of the treatment of wounds, the dislocations, fractures, and some of the more common surgical conditions. In the laboratory the student is taught bandaging, and will be given an opportunity to practice some of the amputations and resections of joints on the cadaver.

Text: Wharton.

Pharmacy

8. PHARMACY FOR MEDICAL STUDENTS.

Professor Beard. *Six hours a week.*
Fall Quarter.

This course in pharmacy will consist of two lectures supplemented by two laboratory periods each week. Beginning with a consideration of the metric system as applied to writing prescriptions and preparing formulæ, the course will embrace successively, medical arithmetic, prescription writing, official galenical and magistral preparations with their doses, cellulose and its compounds, carbohydrates, coal and wood tar products, resins, gums, esters, volatile oils, alkaloids, animal drugs, and, lastly, solubility and incompatibility. The student will be required to make the preparations commonly prescribed, in order that he may be acquainted with their nature and composition. In addition, he must demonstrate the various forms of incompatibility liable to occur in prescriptions.

Text-book: *United States Pharmacopoeia.*

Physiology

PHYSIOLOGY.

Professor Manning.

The course in Physiology is given in three parts, as follows:

1. General Physiology: a lecture course of five hours a week extending through the year; a brief account of cell physiology is

followed by a detailed discussion of the facts and theories of Human Physiology; attention is called to the application of physiology in medical practice as far as possible.

Text: Howell.

2. Physiological Chemistry: a laboratory course of six hours a week during the fall term. The purely chemical aspects of Bio-chemistry are considered in the course in Organic Chemistry (Chem. 71-72) given in the first year. In the course in Physiological Chemistry a practical application of the principles of Bio-chemistry is made in the study of Human Physiology. The chemistry of digestion, of the secretions, of blood, and of the urine is studied in detail, qualitatively and quantitatively, and such tissues are examined as will afford evidence of the course of metabolic processes. Laboratory Notes.
References: Matthews, Hawk.

3. Experimental Physiology: a laboratory course of five hours a week during the spring term. In this course the student studies the heart and neuro-muscular systems on the turtle and the frog; the circulatory, respiratory, and glandular systems on the mammal. In the former the class is divided into groups of two and in the latter into groups of four. Each group is supplied with mimeographed directions for the performance of each experiment and a full equipment of apparatus, and each student is required to keep a record of the observations, including tracings.
References: Stewart, Porter, Hill, etc.

Materia Medica and Pharmacology

1. PHARMACOLOGY.

PROFESSORS MACNIDER, BEARD, AND MR. HENDERLITE. *Three hours a week—Fall Term. Fifteen hours a week—Spring Term.*

1. Materia Medica. The preliminary study of drugs is given as a part of the course in Pharmacy by Professor Beard throughout the spring term of the first year in medicine. The student is required to learn the various preparations of the more important drugs, their dose, and chemical incompatibilities. Each student makes representative preparations of the different drugs.
2. Pharmacology. The course in Pharmacology extends throughout the second year of the medical curriculum. The character of the work permits a division of the course into three parts: (a) A consideration of the ways in which drugs may affect the organism. This introduction embraces a discussion of the vari-

ous physico-chemical forces influencing drug activity, and the modification of the action of these conditions in different pathological states of the organism, such, for instance, as febrile conditions and various metabolic disturbances. (b) A general study of the pharmacology of the important drugs. The drugs are considered in groups depending upon their predominant effect in the body. The student learns the preparation, their dose, physiological incompatibilities, and considers in detail the way in which the drugs act as pharmacological agents. The symptoms and treatment of poisoning are considered following the discussion of the pharmacology of the group. (c) A consideration of the pharmacology of drugs in the pathological animal, with a discussion of the modification of drug activity in various pathological states. In conjunction with this study emphasis is given to the use of drugs as therapeutic agents and a study is made employing such remedies as are indicated in the form of a prescription. Students are required to write prescriptions, which are then subjected to the criticism of various members of the class and the instructor.

3. Pharmacodynamics. This part of the general course in pharmacology consists in a careful and accurate study of the action of practically all of the more important drugs on the lower animals. For this work, the higher animals, such as the cat and dog, are chiefly used. The class is divided into groups of two or four, and the experimental work is conducted by the student. Each student is required to hand in to the instructor at the completion of the course a laboratory notebook containing a detailed account of each experiment, an explanation of the results obtained, and the tracings made during the experiment. Oral and written recitations are frequently held.

Text: Cushny, *Pharmacology and Therapeutics.* Reference: Sollmann, *A Manual of Pharmacology;* Meyer and Gottlieb, *Pharmacology, Experimental and Clinical;* Jackson, *Experimental Pharmacology.*

2. ADVANCED PHARMACOLOGY.

Professor MacNider and
Mr. Henderlite.

Two types of courses will be offered: (a) an experimental study of the action of various drugs upon the normal animal; (b) an experimental study of the action of various drugs and other agents upon the pathological animal.

Bacteriology and Pathology

BACTERIOLOGY.

PROFESSOR ANDERSON AND MR. MINER. *Fall Term.* *Nine hours a week.*

The first four to six weeks are devoted to the fundamental principles of bacteriology. The student prepares the various culture media in common use, practices the more useful methods of staining, cultivates (from stock cultures) and describes several of the saprophytic, non-pathogenic forms, and isolates from pure culture, identifies and describes several organisms from air, water, earth or feces. The rest of the course is devoted to pathogenic bacteria. The lectures cover all the more important disease-producing organisms, while in the laboratory the student cultivates and studies several members of each group that may be readily grown. Numerous inoculation experiments are made and through tissues from these autopsies the attempt is made to co-ordinate the course in Bacteriology with that in Pathology. In the latter part of the course a brief consideration is given to the examination of water and milk.

Texts: Hiss and Zinsser, Hineman's *Laboratory Guide.*

PATHOLOGY.

PROFESSOR BULLITT AND MR. YARBOROUGH. *Ten hours a week—Fall Term.* *Thirteen hours a week—Spring Term.*

This course embraces a consideration of General and Special Pathology from the chemical and physiological as well as the morphological aspects. Lectures and recitations are combined with laboratory work in a study of both gross and microscopical preparations.

In this work carefully selected loan sections form the basis for the study, but especial attention is paid to the experimental production, in laboratory animals, of the various common lesions due to mechanical, chemical, and bacterial agents. Under the guidance of the instructor the student produces these lesions and prepares his own specimens therefrom.

Text: MacCallum, Mallory.

HYGIENE.

PROFESSOR BULLITT.

A short course in the elementary principles of Hygiene and Sanitation.

Text: Rosenau.

SCHEDULE OF RECITATIONS

First Year

First Quarter	Anatomy 8:30 Every day	Histology 9:45-12:45 Every day except Sat.	Embryology 9:45-12:45 Sat.	Biochem. 2:00-4:00 Mon., Wed. 2:00-3:00 Tues., Thurs.	
Second Quarter	Anatomy 8:30-12:45 Every day	Biochem. 2:00-4:00 Mon., Wed. 2:00-3:00 Tues., Thurs.			
Third Quarter	Neurology 9:45-12:45 Mon., Fri. 2:00-4:00 Fri.	Embryology 9:45-12:45 Wed.	Applied Anat. 8:30 Every day 9:45-12:45 Sat.	Toxicology 2:00-4:00 Mon., Wed. 2:00-3:00 Tues., Thurs.	Pharmacy 9:45-12:45 Tues., Thurs.

Second Year

First Half	Physiology 8:30 Every day	Physiological Chem. 2:00-4:00 Mon., Wed., Fri.	Bacteriology 9:45-12:45 Tues., Thurs., Sat.	Pathology 10:45-12:45 Mon., Wed., Fri. 2:00-4:00 Tues., Thurs.	Pharmacology 9:45 Mon., Wed., Fri.
Second Half	Physiology 9:45 Mon., Tues., Wed., Thurs. 10:45-12:45 2:00-4:00 Mon., Fri.	Pathology 10:45-12:45 Tues., Wed., Thurs. 8:30-12:45 Sat. 2:00-4:00 Wed.	Pharmacology 8:30 Every day except Sat. 10:45-12:45, 2:00-4:00 Mon., Fri.	Minor Surgery Physical Diag. 2:00-4:00 Tues., Thurs.	Hygiene 9:45 Fri.

THE SCHOOL OF PHARMACY

HARRY WOODBURN CHASE, Ph.D., *President.*
EDWARD VERNON HOWELL, A.B., Ph.G., *Dean.*
JOHN GROVER BEARD, Ph.G., *Secretary.*
EDWARD VERNON HOWELL, A.B., Ph.G., *Professor of Pharmacy.*
JOHN GROVER BEARD, Ph.G., *Professor of Pharmacy.*
FRANCIS EARL CAMPBELL, *Assistant in Pharmacy.*
ELLIE BURTON BRISTOW, *Assistant in Pharmacy.*
FRANCIS PRESTON VENABLE, Ph.D., D.Sc., LL.D., *Kenan Professor of Chemistry.*
WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Professor of Pharmacology.*
WILLIAM CHAMBERS COKER, Ph.D., *Kenan Professor of Botany.*
ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*
JAMES MUNSIE BELL, Ph.D., *Smith Professor of Chemistry.*
JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*
JAMES TALMAGE DOBBINS, Ph.D., *Associate Professor of Chemistry.*
FRANK CARL VILBRANDT, Ph.D., *Associate Professor of Industrial Chemistry.*
HENRY ROLAND TOTTEN, A.M., *Instructor in Botany.*
IRA VILAS GILES, M.S., *Instructor in Chemistry.*
HAYWOOD MAURICE TAYLOR, M.S., *Instructor in Chemistry.*
SAMUEL CLEMENT SMITH, A.M., *Instructor in Chemistry.*
RICHARD ARTHUR LINEBERRY, B.S., *Teaching Fellow in Chemistry.*
FREDERICK PHILIPS BROOKS, B.S., *Teaching Fellow in Chemistry.*
ERNEST WILLIAM CONSTABLE, B.S., *Teaching Fellow in Chemistry.*
HORACE DOWNS CROCKFORD, B.S., *Teaching Fellow in Chemistry.*
LAURENCE VERMEULE PHILLIPS, *Assistant in Chemistry.*
ERNST OTTO MOEHLMANN, *Assistant in Chemistry.*

HISTORICAL SKETCH

In 1880 Dr. Thomas W. Harris was instrumental in establishing a Pharmacy School at the University in connection with the School of Medicine. Dr. Harris was Professor of Anatomy, Ma-

teria Medica, and Pharmacy. The faculty of the new school consisted, in addition to Professor Harris, of Frederick W. Simonds, Professor of Botany and Physiology, and Francis P. Venable Professor of Chemistry. The course in pharmacy extended over two sessions of five months each, and led to the degree of Graduate in Pharmacy (Ph.G). The school was continued until the resignation of Dr. Harris in 1886, when it was abandoned completely. In the fall of 1889 the school was revived by Dr. Richard H. Whitehead, but again its career was cut short.

In March of 1897 the present School of Pharmacy was established, and Edward Vernon Howell, A.B., Wake Forest College, and Ph.G., Philadelphia College of Pharmacy, was elected Professor of Pharmacy and given charge of the school. At that time the school occupied the ground floor of the New West Building, which had been provided with laboratories, lecture rooms, a herbarium, and a reading room. The first lectures, offered in September of 1897, pertained to practical and theoretical pharmacy, materia medica, physiology, physics, general and analytical chemistry, and botany. The course of study extends over two sessions of nine months each and leads, as did the courses in the initial school, to the degree of Graduate in Pharmacy (Ph.G.).

The school has gradually developed with respect to members of the faculty, equipment, apparatus, and attendance. In the summer of 1912 it was moved to Person Hall, a commodious well-lighted, well-ventilated building containing ten rooms. The pharmaceutical library has been made valuable by many historical and modern books on pharmacy and its allied branches and by bound volumes of proceedings and journals, either given by friends or purchased by the University. In 1914 two new courses in pharmacy were added to the curriculum; one, a three-year course, leads to the degree of Doctor of Pharmacy (P.D.); the other, also a three-year course, leads to the degree of Pharmaceutical Chemist (Ph.C.). In 1917 the school was admitted to membership in the American Conference of Pharmaceutical Faculties, an organization founded for the promotion of pharmaceutical education. Member-colleges must maintain certain entrance and graduation requirements and must in other ways follow out general practices as determined by the Conference in order to retain their membership.

REQUIREMENTS FOR ADMISSION

See page 65.

EXPENSES

See page 71.

REQUIREMENTS FOR GRADUATION

For the Degree of Graduate in Pharmacy

In order to be recommended for the degree of Graduate in Pharmacy the student must have completed the two-year course of study outlined on page 207. Work done in some other recognized school of pharmacy may be accepted for the first year of this course only.

He must obtain satisfactory marking in attendance, making a general average of 70 per cent in all courses, and submit a satisfactory thesis. The student must have had a practical experience of at least four years with some qualified pharmacist in a dispensing store. The two years spent in college count as two years practical experience. Students who have not had the full four years experience will be permitted to stand examinations for graduation but their diplomas will be withheld until they shall have satisfied this requirement.

(Of the four years of experience required for license by the State Board of Pharmacy, the work done in the pharmaceutical laboratory will count month for month, up to twenty-four months.)

For the Degree of Doctor of Pharmacy

The degree of Doctor of Pharmacy is conferred upon graduates only after another year of residence at the University. They must pursue advanced work as outlined on page 208 and present a thesis embodying the results of an original investigation.

For the Degree of Pharmaceutical Chemist.

The requirements for the degree of Pharmaceutical Chemist are the same as those for the degree of Doctor of Pharmacy, with the exception that no practical experience in a drug store is necessary as a prerequisite.

COURSE LEADING TO THE DEGREE OF GRADUATE IN PHARMACY

FIRST YEAR

Fall Quarter:

Pharmacy 1 (5)*
Botany 3 (6)
Chemistry 1 (6)

Winter Quarter:

Pharmacy 2 (5)
Pharmacy 4 (4)
Materia Medica 1 (5)
Chemistry 2 (6)

Spring Quarter:

Pharmacy 3 (5)
Pharmacy 5 (4)
Materia Medica 2 (5)
Pharmacology 9 (3)

SECOND YEAR

Fall Quarter:

Pharmacy 11 (5)
Pharmacy 16 (3)
Chemistry 31 (6)
Pharmacology 10 (7)

Winter Quarter:

Pharmacy 12 (5)
Pharmacy 14 (4)
Chemistry 44 (6)

Spring Quarter:

Pharmacy 13 (5)
Pharmacy 15 (8)
Chemistry 73 (3)
Research (5)

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*Numbers in parenthesis indicate the hours devoted each week to the courses and are to be understood as credit hours and not clock hours.

THIRD YEAR

The work of the third year is largely chemical in nature carrying certain required and elective courses, the electives depending upon the particular field each student is preparing to enter. A minimum of three full courses must be pursued each quarter.

REQUIRED COURSES

Pharmacy 20-21
Chemistry 41-42
Chemistry 61 (must be completed in Spring Quarter of Second Year)

Chemistry 62
Chemistry 63-64

ELECTIVE COURSES

Pharmacy 27
Chemistry 8
Chemistry 11-12-13
Chemistry 45-46
Chemistry 47
Bacteriology

COURSE LEADING TO THE DEGREE OF DOCTOR OF PHARMACY OR PHARMACEUTICAL CHEMIST

1-2-3. THEORY AND PRACTICE OF PHARMACY.

PROFESSOR HOWELL. *Five hours a week.*

First Year. *Fall, Winter and Spring Quarters.*

This course consists of lectures upon the following subjects, with practical demonstrations and the employment of proper apparatus whenever necessary: metrology, communication, heat evaporation, distillation, sublimation; fusion, calcination, granulation, oxidation, reduction, etc.; solution of solids, liquids, and gases; deliquescence, efflorescence, etc.; colation, filtration, decolorization, clarification, precipitation, etc.; macleration, expression, infusion, decoction, etc.; percolation, and study of the following: waters, syrups, honeys, glycerites, mucilages, mixtures, spirits, elixirs, liniments, colodions, tinctures, wines, vinegars, and fluidextracts. Text-book: Remington's, *Theory and Practice of Pharmacy.*

4-5. OPERATIVE PHARMACY.

PROFESSOR BEARD AND MESSRS. CAMPBELL AND BRISTOW. *Four hours a week. Winter and Spring Quarters. Laboratory fee, $5.00 a quarter.*

First year.

Corequisite, Pharmacy 1-2-3.

This course is designed to demonstrate the various operations outlined in Pharmacy 1-2-3, and to drill the student in the correct preparation or manufacture of the galenicals and simple salts of the Pharmacopœia. He is required to make under the direction of the instructors, those preparations which enter into a prescription, and is taught the correct uses of the different apparatus required in a drug store. Text-book: Remington's *Theory and Practice of Pharmacy.*

8. PHARMACY FOR MEDICAL STUDENTS.

(See School of Medicine.)

11-12-13. THEORY AND PRACTICE OF PHARMACY.

PROFESSOR HOWELL. *Five hours a week.*

Second year. *Fall, Winter and Spring Quarters.*

Prerequisite, Pharmacy 1-2-3.

The official forms and preparations of drugs are taken up in detail. Beginning with the inorganic compounds, the salts are considered with regard to their commercial qualities and pharmaceutical uses and preparations. The organic compounds are studied, commencing with the salts of the organic acids and passing to the natural and organic compounds.

14-15 OPERATIVE PHARMACY.

PROFESSOR BEARD. *Six hours a week.*

Second year. *Winter and Spring Quarters.*

Corequisite, Pharmacy 11-12-13. *Laboratory fee, $10.00 a quarter.*

A laboratory course supplemented by preliminary lectures that is concerned with the manufacture of the pharmacopœial drugs and chemicals, together with methods for determining their purity and strength, and also with prescription practices in general. The subject of incompatibility is fully dwelt upon, as are mechanical matters as labeling and wrapping of containers, packages, etc.

16. URINARY ANALYSIS.

PROFESSOR BEARD. *Three hours a week.*

Second year. *Fall Quarter.*

By means of laboratory work, supplemented by lectures, the

student is drilled in making qualitative and quantitative analyses of urine. The phenomena of urine secretion and elimination and the physiological and pathological constituents of urine, with exhaustive tests for determining the presence or absence of these constituents, are fully dwelt upon. In addition, the student is taught to select and arrange the apparatus required to make urine analyses in the drug store. Text-book: Hawks' *Physiological Chemistry.*

20-21. MANUFACTURING PHARMACY.

PROFESSOR HOWELL. *Five hours a week.*
Third year. *Fall and Winter Quarters.*

This course for third-year students will consist of lectures, supplemented by laboratory work. The preparation of pharmaceutical products on a commercial scale will be given much consideration, as will the economics of manufacturing. The student will be acquainted with the sources, importations, and market prices of those agents which enter into remedies and pharmaceuticals.

27. COMMERCIAL PHARMACY.

PROFESSOR BEARD. *Five hours a week.*
Third year elective. *Fall Quarter.*

The need for commercial training in the practice of pharmacy is now thoroughly understood by everyone. The School of Pharmacy has instituted a course in commercial pharmacy that is an elective for third-year students. The first part of the course is devoted to the preliminary problems concerned in starting a drug business and getting it established upon a firm basis. Advertising and salesmanship are discussed at length. A series of eight lectures on the laws regulating the practice of pharmacy, sale of poisons, insurance, negotiable instruments, partnerships, and corporations will be given the students of this course by the Dean and Professors of the University School of Law. The latter part of the course is devoted to business arithmetic and correspondence, and bookkeeping. Text-book: O'Connor's *Commercial Pharmacy.*

Materia Medica and Pharmacology

1-2. MATERIA MEDICA.

PROFESSOR BEARD. *Winter and Spring Quarters.*
First year. *Five hours a week.*

The individual drugs are considered from the standpoint of their

origin, history, appearance, structure, active principles, chief medicinal properties, official preparations and doses. These drugs are grouped and studied according to the families to which they belong. Later they are classified into the therapeutic groups, based on their action, i. e., whether they are stimulants, alteratives, irritants, astringents, etc. The subject is amply illustrated from the large collection of the School, which includes all the drugs of the Pharmacopœia as well as many unofficial plant parts; by means of colored plates and pictures, and from the library, which contains a large number of valuable books on the subject. Text-book: Culbreth's *Materia Medica.*

9. PHARMACOLOGY.

Professor Macnider. *Lectures, three hours a week.*
First year. *Spring Quarter.*

A study of the functions of the normal human body and a consideration of how these functions are modified by the action of drugs. Laboratory experiments are conducted by the instructor to demonstrate the more important physiological reactions of the lower animals, frogs, turtles, and cats.

10. PHARMACOLOGY.

Professor Macnider. *Lectures and Laboratory, seven hours a week.*
Second Year. *Fall Quarter.*
Prerequisites, Materia Medica 1-2, and Pharmcology 9. *Laboratory fee,* $5.00.

This course is concerned with the physiological and therapeutic action of drugs both upon man and upon lower animals. Prior to this work the student has completed Materia Medica 1-2 which is concerned with a study of the physical and chemical properites of drugs, their preparations, dosage, and a brief statement of their effect. This course in Pharmacology is intended to amplify and give in a more detailed fashion an understanding of the way in which the drug acts in normal and in toxic quantities. A consideration of the biological standardization of drugs is also a part of this course. Text-book: Bastedo's, *Materia Medica, Pharmacology, and Therapeutics.*

Bacteriology

BACTERIOLOGY.

PROFESSOR BULLITT.

Third year elective.

The student learns by practical experience the methods of cultivating staining, and identifying the principal pathogenic bacteria; a few nonpathogenic and saprophytic forms are studied. The pathological significance of the various forms is explained by lectures, and the pathogenicity of some of the forms is determined by inoculation experiments performed by the class. At intervals during the course unknown organisms are given for identification. In addition to this, each student is required to isolate from the air, water, fecal matter, or pus, two organisms and determine their species. The latter part of the course is devoted to the bacteriological study of milk and water. Textbook: Jordan. Reference: Park and McFarland.

Botany

3. PHARMACEUTICAL BOTANY.

MR. TOTTEN. *Fall Quarter.*

First year. *Laboratory fee*, $4.00.

An introducion to the structure and classification of plants with special attention to the drug plants; localizing of the mucilages, gums, oils, resins, glucosides, alkaloids, etc. Lectures with laboratory and field work.

Chemistry

1-2. GENERAL DESCRIPTIVE CHEMISTRY.

PROFESSOR VENABLE AND ASSISTANTS. Credit, 2 courses.
Six hours a week.
Fall and Winter Quarters.
Laboratory fee, $4.00 *a quarter.*

31. QUALITATIVE ANALYSIS.

PROFESSOR DOBBINS AND ASSISTANT. Credit, 1 course.
Five hours a week.
Fall or Spring Quarter.

Prerequisites, Chemistry 61-62 *Laboratory fee*, $10.00.

Laboratory work and lectures.

41. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND ASSISTANT. Credit, 1 course.
Five hours a week.
Fall Quarter.

Prerequisites, Chemistry 61-62. *Laboratory fee*, $10.00

Gravimetric Analysis. Laboratory work, lectures and Stoichiometric exercises.

42. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND ASSISTANT. Credit, 1 course.
Five hours a week.
Prerequisite, Chemistry 41. *Winter Quarter.*
Laboratory fee, $10.00.

Volumetric Analysis. Laboratory work, lectures and stoichiometric exercises.

44. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND ASSISTANT. Credit, ½ course.
Three hours a week.
Prerequisite, Chemistry 31. *Winter Quarter.*
Laboratory fee, $7.00.

A brief course in gravimetric methods, followed by a more extended course in volumetric methods.

61. ORGANIC CHEMISTRY.

PROFESSOR WHEELER AND ASSISTANT. Credit, 1 course.
Five hours a week.
Prerequisite, Chemistry 31. *Spring Quarter.*
Laboratory fee, $7.00.

The Aliphatic Series.

62. ORGANIC CHEMISTRY.

PROFESSOR WHEELER AND ASSISTANT. Credit, 1 course.
Five hours a week.
Prerequisite, Chemistry 61. *Fall Quarter.*
Laboratory fee, $7.00.

The Carbocyclic and Heterocyclic Series.

63. IDENTIFICATION OF PURE ORGANIC COMPOUNDS.

PROFESSOR WHEELER. Credit, 1 course.
Prerequisite, Chemistry 62. *Five hours a week.*
Spring Quarter.
Laboratory fee, $7.00.

64. ADVANCED ORGANIC CHEMISTRY.

PROFESSOR WHEELER. Credit, 1 course.
Prerequisite, Chemistry 62. *Five hours a week.*
Winter Quarter.

Special chapters. Lectures and recitations.

73. TOXICOLOGY.

PROFESSOR WHEELER AND ASSISTANT. *Six hours a week.*
Spring Quarter.
Laboratory fee, $7.00.

The chemical behavior of poisons and their separation from foods and animal tissues.

PRIZES

THE BRADHAM PRIZE, offered by Mr. C. D. Bradham, of New Bern, N. C., will be given to the student making the highest general average during the two years of study.

THE BEARD PRIZE. To the student who makes the best general average during the two years of study and who passes the North Carolina Board of Pharmacy examination will be given a membership in the North Carolina Pharmaceutical Association.

Prizes will also be given:

1. For the best thesis.
2. For the best collection of native medicinal herbs.
3. For the best exhibit of chemical salts made by a second-year student.
4. For the best work in the recognition of materia medica specimens.
5. To the student recognizing the largest number of pharmaceutical preparations.

PHARMACEUTICAL LABORATORIES

See page 50.

WILLIAM SIMPSON PHARMACEUTICAL SOCIETY

This society was inaugurated by the Class of 1913. It is named in honor of the late William Simpson, of Raleigh, a pioneer druggist and teacher.

The society holds weekly meetings. At these meetings papers are read by the various student members, and discussions of the papers follow. At stated intervals, debates are held on subjects of particular interest to pharmacists.

THE SUMMER SCHOOL

OFFICERS OF ADMINISTRATION 1921

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*
NATHAN WILSON WALKER, A.B,. *Director.*
THOMAS JAMES WILSON, JR., Ph.D., *Registrar.*
MISS LOUISE COFFEY, *Secretary.*
EDWIN GREENLAW, Ph.D., *Dean of the Graduate School.*
FRANCIS BRADSHAW, A.B., *Dean of Students.*
ANDREW HENRY PATTERSON, A.M., *Chairman, Committee on Social Activities.*
CHARLES THOMAS WOOLLEN, *Business Manager.*
JULIUS ALGERNON WARREN, *Treasurer.*
GEORGE PICKARD, *Superintendent of Grounds.*
P. L. BURCH, *Superintendent of Buildings.*
LOUIS ROUND WILSON, Ph.D., *Librarian.*
ERIC A. ABERNETHY, M.D., *Physician to the Summer School.*
MRS. FLORA RICE, R.N., *Nurse in charge of Infirmary.*
MISS EDNA WOMACK, R.N., *Assistant Nurse.*
E. E. SAMS, *Secretary, Teachers' Bureau.*
ROBERT B. LAWSON, M.D., *Director of the Gymnasium.*
MISS LAURA DASEF, *Secretary, Y.W.C.A.*
MISS BESS WALKUP, *Assistant Secretary, Y.W.C.A.*
Advisory Committee on Administration: Professors WALKER, NOBLE, HOWE, WILSON, T. J., WILLIAMS, L. A., PATTERSON, KNIGHT, DEAN BRADSHAW.
Faculty Committee on Advanced Standing: Professors WILSON, T. J., HOWE, DAGGETT.
Committee on Normal Courses: Professors NOBLE, WILLIAMS, KNIGHT.

STAFF OF INSTRUCTION

THOMAS P. ABERNETHY, B.S. M.A.,.....HISTORY
Head of Department of History
Marion Institute, Marion, Alabama

RAY ARMSTRONG, A.B. .....PHYSICS
Teacher of Science
City Schools, Goldsboro, N. C.

ERNEST ATKINS ..... PSYCHOLOGY

MISS MARY BARNWELL ..... DEMONSTRATION SCHOOL
Teacher in Chapel Hill School

BANCROFT BEATLEY, A.M..... SECONDARY EDUCATION
Instructor in Education
Graduate School of Education, Harvard University

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Professor of Physical Chemistry
University of North Carolina

WILLIAM BREACH..... MUSIC
Supervisor of Music
City Schools, Winston-Salem, N. C.

LAUTREC CRANMER BROGDEN, M.A.. SCHOOL SUPERVISION
State Supervisor of Rural Elementary Schools

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MISS EUGENIA BRYANT..... FAMILY CASE WORK
Supervisor of Case Work, School of Public Welfare
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Teacher of History
Central High School, St. Paul, Minn.

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University of North Carolina

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Teacher in Oak Lane County Day School, Philadelphia

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W. C. GEORGE..... ZOOLOGY
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University of North Carolina

MISS IDA GORDNER.....DEMONSTRATION SCHOOL
Teacher in Chapel Hill School

CHARLES EDWARD GREEN, A.M.....SPANISH AND FRENCH
Assistant Professor of Romance Languages
University of North Carolina

THOMAS H. HAMILTON.....MUSIC
Assistant Director of Music
University of North Carolina

MISS SALLIE HAMMETT.....DEMONSTRATION SCHOOL
Teacher in Durham Schools

JAMES HOLLY HANFORD, Ph.D.....ENGLISH
Professor of English
University of North Carolina

GUSTAVE ADOLPHUS HARRER, Ph.D.....LATIN
Assistant Professor of Latin
University of North Carolina

GEORGE KENNETH GRANT HENRY, Ph.D.....LATIN
Assistant Professor of Latin
University of North Carolina

CLARENCE ADDISON HIBBARD, M.A.....ENGLISH
Assistant Professor of English
University of North Carolina

ALLAN WILSON HOBBS, Ph.D.....MATHEMATICS
Associate Professor of Mathematics
University of North Carolina

SAMUEL HUNTINGTON HOBBS, Jr., A.M.
RURAL ECONOMICS AND SOCIOLOGY
Assistant Professor of Rural Economics and Sociology
University of North Carolina

ALMONTE C. HOWELL, M.A.....ENGLISH
Instructor in English
University of North Carolina

MISS LILY NELSON JONES.....WRITING
Supervisor of Writing
Durham City Schools

MISS MADGE KENNETTE.....DEMONSTRATION SCHOOL
Teacher in Smithfield School

EDGAR W. KNIGHT, Ph.D. ..... EDUCATION
Professor of Rural Education
University of North Carolina

FREDERICK HENRY KOCH, A.M. ... DRAMATIC LITERATURE
Professor of Dramatic Literature
University of North Carolina

ROBERT BAKER LAWSON, M.D. ..... PHYSICAL EDUCATION
Director of Gymnasium
University of North Carolina

MRS. R. B. LAWSON ..... SWIMMING

MISS ELIZABETH LAY, A.B. ..... ENGLISH
Secretary of the Division of Community Drama, Bureau of Extension
University of North Carolina

J. B. LINKER ..... MATHEMATICS
Instructor in Mathematics
University of North Carolina

GEORGE McFARLAND McKIE, A.M. ..... ENGLISH
Associate Professor of Public Speaking
University of North Carolina

MISS HENRIETTE MASSELING
STORY TELLING, PHYSICAL EDUCATION
Story Specialist, Assistant Principal
Public Schools, Atlanta, Ga.

JAMES STRONG MOFFATT, Jr., Ph.D. ..... ENGLISH
Assistant Professor in English
Washington and Lee University

CLAUDIUS T. MURCHISON, Ph.D. ..... ECONOMICS
Assistant Professor of Economics
New York University

MARCUS CICERO STEPHENS NOBLE ..... PEDAGOGY
Professor of Pedagogy and Dean of the School of Education
University of North Carolina

HOWARD WASHINGTON ODUM, Ph.D.
EDUCATIONAL SOCIOLOGY
Kenan Professor of Sociology and Director of the School of Public Welfare
University of North Carolina

ANDREW HENRY PATTERSON, A.M. ..... PHYSICS
Professor of Physics and Dean of the School of Applied Science
University of North Carolina

MISS MARY POORE.....WRITING
Supervisor of Writing
City Schools of Birmingham, Ala.

T. E. POWELL .....GEOLOGY
Professor of Geology,
Elon College

MISS ELIZABETH PRATT.....MUSIC
Supervisor of Graded School Music
St. Louis

WILLIAM FREDERICK PROUTY, Ph.D.....GEOLOGY
Professor of Stratigraphic Geology
University of North Carolina

EDWIN DAVIS PUSEY, A.M., LL.D.....EDUCATION
Superintendent of City Schools
Durham, N. C.

E. OSCAR RANDOLPH, M.A., Lit.D.....GEOLOGY
Professor of Geology
State College, Texas

MRS. MAMIE S. SEASE, A.B.....DRAWING
Supervisor of Drawing
Durham City Schools

SAMUEL LLOYD SHEEP, M.E.....ARITHMETIC
Superintendent of City Schools
Elizabeth City, N. C.

MISS MARY A. SHEEHAN, A.B., B.Ed.
GRAMMAR SCHOOL ENGLISH
Teacher of English
Washington Junior High School, Rochester, N. Y.

CHARLES INTERVALE SILIN, S.B.....FRENCH
Instructor in French
University of North Carolina

SAMUEL CLEMENT SMITH, A.M.....CHEMISTRY
Teaching Fellow in Chemistry
University of North Carolina

HERMAN HENRY STAAB, M.A.....FRENCH
Assistant Professor of Romance Languages
University of North Carolina

JESSE FREDERICK STEINER, Ph.D.
SOCIAL PATHOLOGY AND COMMUNITY ORGANIZATION
Professor of Social Technology
University of North Carolina

OTTO STUHLMAN, JR., Ph.D.....PHYSICS
Associate Professor of Physics
University of North Carolina

MISS MARY V. THOMAS .....DRAWING
Teacher in the Art Department
Public Schools, Baltimore, Md.

WALTER DALLAM TOY, M.A.....GERMAN
Professor of the Germanic Languages and Literature
University of North Carolina

DOUGLAS WAPLES, Ph.D.....EDUCATION
Professor of Education
Tufts College

PAUL JOHN WEAVER, B.A.....PUBLIC SCHOOL MUSIC
Professor of Music
University of North Carolina

FRANK MERRILL WHEAT, M.A., D.Sc.
BIOLOGY AND GENERAL SCIENCE
Chairman Biological Science, Geo. Washington High School
New York City

MRS. JANET B. WHEAT.....PRIMARY METHODS
Formerly Teacher in Public Schools of New Jersey

ALVIN SAWYER WHEELER, Ph.D.....CHEMISTRY
Professor of Organic Chemistry
University of North Carolina

LESTER ALONZO WILLIAMS, Pd.D. SCHOOL ADMINISTRATION
Professor of School Administration
University of North Carolina

LOUIS ROUND WILSON. Ph.D.....LIBRARY SCIENCE
Professor of Library Science and Director of Extension
University of North Carolina

ARTHUR SIMEON WINSOR, A.M.....MATHEMATICS
Assistant Professor of Mathematics
University of North Carolina

JOHN B. WOOSLEY, A.M.....ECONOMICS
Assistant Professor of Economics
University of North Carolina

COURSES OF INSTRUCTION

The letter s, meaning summer, is prefixed to the numbers of courses to distinguish them from the numbers employed in the

annual catalogue to designate the courses of the regular college year.

Courses numbered from s 1 to s 10 inclusive (except Chemistry s 1 and s 2) count only for normal credit, such credit being indicated by the letter N.

Courses counting for college or university credit begin their numbering in each department with s 11. The letter C indicates that a course is of college grade and may be counted towards the bachelor's degree; the abbreviation Grad. indicates that a course so marked is of graduate grade and may be counted towards the master's degree. One Summer School hour is counted as one-half a course for a term (quarter) of the regular session.

Biology

s 1. ELEMENTARY BIOLOGY.
MR. WHEAT. Credit, 1 hour. N.
Five hours a week.

s 2. SOCIAL HYGIENE.
MR. WHEAT. Credit, 1 hour. N.
Five hours a week.

Chemistry

s 1. GENERAL DESCRIPTIVE CHEMISTRY.
MR. BELL. Credit, 1 course. C.
Fourteen hours a week.

s 2. GENERAL DESCRIPTIVE CHEMISTRY.
MR. BELL. Credit, 1 course. C.
Fourteen hours a week.

s 31. QUALITATIVE ANALYSIS.
MR. DOBBINS. Credit, 1 course. C.
Six hours daily, June 23-July 12.

s 44. QUANTITATIVE ANALYSIS.
MR. DOBBINS. Credit, ½ course. C.
Fours hours daily, July 13-Aug. 2.

s 50 SENIOR RESEARCH.
MR. BELL, MR. DOBBINS, MR. WHEELER. Credit, 1 course. C.
Daily.

s 52. GRADUATE RESEARCH IN ORGANIC OR PHYSICAL CHEMISTRY.
MR. BELL, MR. WHEELER. Grad., C.

s61-s70 ORGANIC CHEMISTRY.
MR. WHEELER. Credit, 1 course. C.
Fourteen hours a week.

s62-s71. ORGANIC CHEMISTRY.
MR. WHEELER, MR. TAYLOR. Credit, 1 course. C.

Drawing

s 1. PRIMARY DIVISION.
MRS. SEASE AND MISS THOMAS. Credit, 1 hour. N.
Five hours a week.

s.2. GRAMMAR DIVISION.
MRS. SEASE AND MISS THOMAS. Credit, 1 hour. N.
Five hours a week.

s 3. ADVANCED DIVISION.
MRS. SEASE AND MISS THOMAS. Credit, 1 hour. N.
Five hours a week.

Economics

s 11. GENERAL ECONOMICS.
MR. WOOSLEY. Credit, ½ course. C.
Five hours a week.

s 12. ECONOMIC PROBLEMS.
MR. WOOSLEY. Credit, ½ course. C.
Five hours a week.

s 14. LABOR PROBLEMS.
MR. MURCHISON. C. or Grad.
Credit, ½ course. C.
Five hours a week.

s 17. MONEY.
Mr. MURCHISON Credit, ½ course. C. or Grad.
Five hours a week.

s 18. BANKING Credit, ½ course. C. or Grad.
MR. MURCHISON. *Five hours a week.*

Education

s 1. GENERAL METHODS IN PRIMARY SCHOOL SUBJECTS.
Credit, each section, 1 hour. N.
Each section, five hours a week.

Section Ia, II, and III—Miss Dawson.
Section Ib—Mrs. Wheat.

s 2. SPECIAL METHODS AND REVIEW COURSES IN PRIMARY SCHOOL SUBJECTS. Credit, each subject, 1 hour. N.
Each subject, five hours a week.
See under the following departments.
(English, Geography, History, Mathematics, and other courses listed under the head of Education below.)

s 4. SPECIAL METHODS AND REVIEW COURSES IN GRAMMAR SCHOOL SUBJECTS. Credit, each subject, 1 hour. N.
Each subject, five hours a week.
See under the following departments.
(English, Geography, History, Mathematics, and other courses listed under the head of Education below.)

s 6. STORY TELLING. Credit, each section, 1 hour. N.
MISS MASSELING. *Each section, five hours a week.*

s 7. PHYSICAL EDUCATION. Credit, each section, 1 hour. N.
DR. LAWSON AND MISS MASSELING. *Each section, five hours a week.*

s 11. PRINCIPLES OF SECONDARY EDUCATION.
Mr. BEATLEY. Credit, ½ course, C. or Grad.
Five hours a week.

s 12. HIGH SCHOOL METHODS.
Mr. BEATLEY. Credit, ½ course, C.
Five hours a week.

s 13. CONSTRUCTIVE SUPERVISION.
Mr. BROGDEN. Credit, ½ course. C. or Grad.
Five hours a week.

s 15. CLASS MANAGEMENT.
Mr. PUSEY. Credit, ½ course. C.
Five hours a week.

s 17. HISTORY OF EDUCATION IN NORTH CAROLINA.
Mr. NOBLE. Credit, ½ course. C.
Five hours a week.

s 20. (See Psychology of Childhood and Adolescence s 20)

s 22. (See Advanced Educational Psychology s 22)

s 24. (See Elementary Educational Psychology s 24)

s 25. THE JUNIOR HIGH SCHOOL.
Mr. WAPLES. Credit, ½ course. C.
Five hours a week.

s 26. PUBLIC SCHOOL EDUCATION IN THE SOUTH.
Mr. KNIGHT. Credit, ½ course. C. or Grad.
Five hours a week.

s 27. (See Mental Examination Methods, Psychology s 27).

s 28. (See Mentally Deficient Children, Psychology s 28).

s 30. GENERAL SCIENCE.
Mr. WHEAT. Credit, ½ ccourse. C. or Grad.
Five hours a week.

s 31. RURAL EDUCATION.
MR. KNIGHT, Assisted by Mr. Driver and Mr. Thomas. Credit, ½ course. C.
Five hours a week.

s 32. SCHOOL MANAGEMENT.
MR. PUSEY. Credit, ½ course, C.
Five hours a week.

s 34. PRINCIPLES OF PUBLIC SCHOOL ADMINISTRATION.
Mr. PUSEY. Credit, ½ course. C
Five hours a week.

s 36. STATISTICAL METHOD: SECONDARY SCHOOL TESTS AND SCALES. *Five hours a week.*
MR. BEATLEY. Credit, ½ course. C. or Grad

s 37. HISTORY OF EDUCATION.
Mr. WAPLES. Credit. ½ course. C. or Grad.
Five hours a week.

s 62. EDUCATIONAL MEASUREMENTS. (Elementary Course).
Mr. WILLIAMS. Credit, ½ course. C. or Grad. Grad.
Five hours a week.

s 101. ADMINISTRATIVE PROBLEMS.
Mr. WILLIAMS. Credit, ½ course. Grad.
Five hours a week.

s 104. EDUCATIONAL AND SOCIAL STATISTICS.
Mr. WILLIAMS. Credit, ½ course. Grad.
Five hours a week.

s 109. EDUCATIONAL CLASSICS. Credit, ½ course. Grad.
MR. WAPLES. *Five hours a week.*

s 126. STUDIES IN SOUTHERN EDUCATION. Credit, ½ course. Grad.
Mr. KNIGHT. *Five hours a week.*

English

s 1. GRAMMAR AND COMPOSITION.
Mr. Moffatt. Credit, 1 hour. N.
Five hours a week.

s 2 LANGUAGE WORK IN THE GRADES.
Miss Sheehan. Credit, 1 hour. N.
Five hours a week.

s 3. LITERATURE IN THE GRADES.
Miss Sheehan. Credit, 1 hour. N.
Five hours a week.

s 4. THE TEACHING OF ENGLISH IN THE ELEMENTARY AND GRAMMAR SCHOOL.
Section I—Miss Sheehan. Credit, 1 hour. N.
Section II—Mr. Howell. *Five hours a week.*

s 5. DRAMATIZATION FOR CHILDREN.
Miss Lay. Credit, 1 hour. N.
Five hours a week.

s 11. THE TEACHING OF ENGLISH IN THE HIGH SCHOOL.
Mr. Hanford, Assisted by Credit, ½ course. C. or Grad.
Mr. Howell. *Five hours a week.*

s 12 ENGLISH COMPOSITION.
Mr. Howell. Credit, 1 course. C.
Ten hours a week.

s 14. DRAMATIC INTERPRETATION AND PLAY PRODUCTION.
Mr. McKie and Miss Lay. Credit, ½ course. C.
Five hours a week.

s 23. THE SHORT STORY.
Mr. Hibbard. Credit, ½ course, C.
Five hours a week.

s 31. DRAMATIC COMPOSITTION.
Mr. Koch. Credit, ½ course. C. or Grad.
Five hours a week.

s 38. SHAKESPEARE: THE TRAGEDIES.
Mr. Koch. Credit, ½ course. C. or Grad.
Five hours a week.

s 45. MILTON.
Mr. Hanford. Credit, ½ course. C. or Grad.
Five hours a week.

s 51. ENGLISH POETRY FROM BURNS TO KEATS.
Mr. MOFFATT. Credit, ½ course. C. or Grad.
Five hours a week.

s 59. AMERICAN LITERATURE.
Mr. HIBBARD. Credit, ½ course. C. or Grad.
Five hours a week.

s 71. MODERN DRAMA.
MR. MCKIE. Credit, 1 hour. C. or Grad.
Five hours a week.

s 141. RESEARCH IN A SPECIAL FIELD.
Mr. HANFORD. Credit, ½ or 1 course. Grad.

French

s 1. ELEMENTARY COURSE.
Mr. SILIN. Credit, ½ course. C. or Grad.
Five hours a week.

s 2. ELEMENTARY COURSE.
Mr. SILIN. Credit, 1 hour. N.
Five hours a week.

s 11. ADVANCED COURSE.
Mr. STAAB. Credit, ½ course. C.

s 12. ADVANCED COURSE. *Five hours a week.*
Mr. STAAB. Credit, ½ course. C.
Five hours a week.

s 13. THE TEACHING OF FRENCH IN THE HIGH SCHOOL.
Mr. SILIN. Credit, ½ course. C.
Five hours a week.

s 14. FRENCH CONVERSATION AND COMPOSITION.
Mr. STAAB. Credit, ½ course. C.
Five hours a week.

Geography

s 1. ELEMENTARY GEOGRAPHY.
MISS CARNEY. Credit, 1 hour. N.
Five hours a week.

s 2. THE TEACHING OF GEOGRAPHY.
MR. M. C. S. NOBLE. Credit, 1 hour. N.
Five hours a week.

s 12. COMMERCIAL AND INDUSTRIAL GEOGRAPHY.
Mr. PROUTY. Credit, 1 course. C.
Lectures five hours a week.

Geology

s 13. INTRODUCTION GEOLOGY.
Mr. Randolph and Mr. Powell. Credit, 1 course. C.
Lectures five hours a week.

s 14. HISTORICAL GEOLOGY.
Mr. Randolph and Mr. Powell. Credit, 1 course. C.
Lectures five hours a week.

s 15. MINERALOGY.
Mr. Prouty. Credit, 2 courses. C.

s 16. ADVANCED GEOLOGICAL FIELD WORK.
Mr. Prouty and Mr. Randolph. Credit, 1 course. C. or Grad.
Six afternoons a week.

German

s 1. ELEMENTARY COURSE.
Mr. Toy. Credit, 1 hour. N.
Five hours a week.

s 2. ELEMENTARY COURSE.
Mr. Toy. Credit, 1 hour. N.
Five hours a week.

s 11. ADVANCED COURSE.
Mr. Brown. Credit, ½ course. C.
Five hours a week.

s 12. ADVANCED COURSE.
Mr. Brown. Credit, ½ course. C.
Five hours a week.

s 13. GERMAN LITERATURE.
Mr. Toy. Credit, ½ course. C. or Grad.
Five hours a week.

History

s 1. A REVIEW COURSE IN HISTORY.
Miss Carney. Credit, 1 hour. N.
Five hours a week.

s 2. THE TEACHING OF HISTORY IN THE GRADES.
Miss Carney. Credit, 1 hour. N.
Five hours a week.

s 16. MODERN EUROPE, 1815-1914.
Mr. Fox. Credit, 1 course. C. or Grad.
Ten hours a week.

s 46. THE WORLD WAR.
Mr. FOX. Credit, ½ course. C. or Grad.
Five hours a week.

s 47. HISTORY OF THE UNITED STATES, 1789-1900.
MR. ABERNETHY. Credit, 1 course. C.
Ten hours a week.

s 48. THE MIDDLE PERIOD OF UNITED STATES HISTORY, 1815-1860.
MR. ABERNETHY. Credit, ½ course. C. or Grad.
Five hours a week.

Latin

s 4. VERGIL.
Mr. HENRY. Credit, 1 hour. N.
Five hours a week.

s 11. THE TEACHING OF LATIN IN THE HIGH SCHOOL.
MR. HARRER. Credit, ½ course C.
Five hours a week.

s 12. HORACE AND LIVY.
Mr. LATSHAW.

s 15. SEMINAR COURSE.
MR. HARRER. Credit, ½ course. C. or Grad.
Five hours a week.

s 16. CLASSICAL DRAMA.
Mr. HENRY. Credit, ½ course. C.
Five hours a week.

Library Science

s 11. THE USE OF BOOKS.
Mr. WILSON. Credit, ½ course. C. or Grad.
Five hours a week.

Mathematics

s 1. ARITHMETIC.
Mr. SHEEP. Credit, 1 hour. N.
Five hours a week.

s 2. HIGH SCHOOL ALGEBRA.
Mr. SHEEP. Credit, 1 hour. N.
Five hours a week.

s 3. PLANE GEOMETRY.
Mr. SHEEP. Credit, 1 hour. N.
Five hours a week.

s 4. SOLID GEOMETRY.
Mr. LINKER. Credit, 1 hour. N.

s 11. COLLEGE ALGEBRA.
Mr. WINSOR. Credit, 1 hour. N. or ½ course. C.
Five hours a week.

s 13. PLANE TRIGONOMETRY.
Mr. HOBBS. Credit, 1 course. C.
Five hours a week.

s 15. THE TEACHING OF MATHEMATICS IN THE HIGH SCHOOL.
Mr. HOBBS. Credit, ½ course. C.
Five hours a week.

s 17. DIFFERENTIAL CALCULUS.
Mr. WINSOR. Credit, ½ course. C.
Five hours a week.

s 18. INTEGRAL CALCULUS.
Mr. WINSOR. Credit, ½ course. C.
Five hours a week.

Music

s 1. PUBLIC SCHOOL MUSIC METHODS.
MISS PRATT. Credit, 1 hour. N.
Five hours a week.

s 3. PUBLIC SCHOOL MUSIC METHODS.
Mr. BREACH. Credit, 1 hour. N.
Five hours a week.

s 3. PUBLIC SCHOOL MUSIC IN THE UNGRADED AND RURAL SCHOOLS.
Mr. WEAVER. Credit, 1 hour. N.
Five hours a week.

s 4. SIGHT-SINGING AND EAR-TRAINING (A).
MISS PRATT. Credit, 1 hour. N.
Five hours a week.

s 5. SIGHT-SINGING AND EAR-TRAINING (B).
MISS PRATT. Credit, 1 hour. N.
Five hours a week.

s 7. VOICE LESSONS.
Mr. HAMILTON.

s 8. PIANO LESSONS.
Mr. HAMILTON.

THE SUMMER SCHOOL CHORUS.
COMMUNITY SINGS.
THE SUMMER SCHOOL ORCHESTRA.

Physics

s 1. ELEMENTARY COURSE.
Mr. PATTERSON. Credit, 1½ hours. N.
Ten hours a week.

s 11. ADVANCED COURSE,
Mr. STUHLMAN. Credit, 1 course. C.
Twelve hours a week.

s 12. ADVANCED COURSE,
Mr. PATTERSON. Credit, 1 course. C.
Fourteen hours a week.

Public Welfare

See courses listed under "Sociology," and "Institutes for Public Welfare."

Psychology

s 19. INTRODUCTORY PSYCHOLOGY.
Mr. DASHIELL. Credit, ½ course. C.
Five hours a week.

s 20. PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE.
Mr. ATKINS. Credit, ½ course. C. or Grad.
Five hours a week.

s 22. ADVANCED EDUCATIONAL PSYCHOLOGY.
Mr. DASHIELL. Credit, ½ course. C. or Grad.
Five hours a week.

s 24. ELEMENTARY EDUCATIONAL PSYCHOLOGY.
Mr. ATKINS. Credit, 1 hour. N. or ½ course C.
Five hours a week.

s 27. MENTAL EXAMINATION METHODS.
Mr. ATKINS. Credit, ½ course. C. or Grad.
Five hours a week.

s 28. MENTALLY DEFICIENT CHILDREN.
Mr. DASHIELL. Credit, ½ course. C. or Grad.
Five hours a week.

Rural Economics and Sociology

s 11. RURAL SOCIAL PROBLEMS.
Mr. HOBBS. Credit, ½ course. C. or Grad.
Five hours a week.

s 13. LABORATORY COURSE IN RURAL SOCIAL PROBLEMS.
Mr. HOBBS. Credit, ½ course. C. or Grad.
Five hours a week.

Sociology

s 11. COMMUNITY ORGANIZATION.
Mr. STEINER. Credit, ½ course. C. or Grad.
Five hours a week.

s 13. SOCIAL PATHOLOGY.
Mr. STEINER. Credit, ½ course. C. or Grad.
Five hours a week.

s 14. FAMILY CASE WORK.
MISS BRYANT. Credit, ½ course. C.
Five hours a week.

s 121 EDUCATIONAL SOCIOLOGY.
Mr. ODUM. Credit, ½ course. C. or Grad.
Five hours a week.

Spanish

s 1. ELEMENTARY COURSE.
Mr. GREEN. Credit, 1 hour. N.
Five hours a week.

s 2. ELEMENTARY COURSE.
Mr. GREEN. Credit, 1 hour. N.
Five hours a week.

s 12. INTERMEDIATE COURSE.
Mr. GREEN.

s 13. ADVANCED COURSE.
Mr. GREEN. Credit, ½ course. C.
Five hours a week.

Training for Social Work

See courses listed under "Sociology," "Public Welfare," and "Institutes of Public Welfare."

Writing

s 1. FREE-ARM MOVEMENT.
MISS JONES. Credit, 1 hour. N.
Five hours a week.

s 2. PALMER METHOD WRITING.
MISS POORE. Credit, 1 hour. N.
Five hours a week.

s 3. PALMER METHOD WRITING.
MISS POORE. Credit, 1 hour. N.
Five hours a week.

Zoology

s 11. ELEMENTS OF ZOOLOGY.
Mr. GEORGE. Credit, 1 course. C.
Twelve hours a week.

s 21. GENERAL ZOOLOGY.
Mr. GEORGE. Credit, 1 course. C.
Twelve hours a week.

THE UNIVERSITY EXTENSION DIVISION

Officers

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*
CHESTER DEFOREST SNELL, B.H., B.S., *Director.*
EDGAR RALPH RANKIN, A.M., *Associate Director.*
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IN CHARGE OF BUREAUS

CHESTER DEFOREST SNELL, B.H., B.S., *Correspondence and Class Instruction, Lectures, Short Courses and Institutes.*

NELLIE ROBERSON, A.B., *Public Discussion.*

FREDERICK HENRY KOCH, A.M., *Community Drama.*

WALTER JEFFRIES MATHERLY, A.M., *Commercial and Industrial Relations.*

PAUL JOHN WEAVER, A.M., *Community Music.* LLL

HOWARD WASHINGTON ODUM, Ph.D., *Municipal Information and Research.*

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JESSE FREDERICK STEINER, Ph.D., *Community Development.*

EDGAR RALPH RANKIN, A.M., *High School Debating and Athletics.*

WILLIAM CHAMBERS COKER, Ph.D., *Design and Improvement of School Grounds.*

NATHAN WILSON WALKER, A.M., *Educational Information and Assistance.*

The University Extension Division offers assistance to the people of the State through the following Bureaus:

I. CORRESPONDENCE AND CLASS INSTRUCTION

Correspondence Study has been designed to give everyone who cannot attend the University of North Carolina an opportunity to get some of the advantages for instruction and culture which may be a help to him. To those who desire to study for degrees or teachers' certificates or merely for cultural purposes, the correspondence study method offers an excellent opportunity.

Correspondence study is simply a method of learning through the study of text-books and answering in writing the questions asked in each lesson assignment. Each assignment contains: (a) full directions for study, including references to text-books by chapter and page; (b) suggestions and helps of the instructor; (c) questions to test the student's method of work and his under-

standing of the work done. When a student has registered for a course two assignments are sent him. He does the work outlined in the first assignment and sends his paper to the Extension Division and then he begins work on the second assignment. At the University his paper is corrected and graded by a member of the faculty and returned to him along with a new assignment. While it is very desirable that the student send in work regularly, at least one assignment each week, the student has the privilege of sending in the work as he is able to complete it.

Correspondence Instruction is no longer an experiment but is an assured success. This fact is testified to by University instructors and by earnest and enthusiastic students. Educational institutions all over the country now consider correspondence courses a part of their regular work.

It is not the purpose of correspondence study to discourage study in residence. Quite the contrary, it is believed that many who thus become interested in continuing their education will be led to avail themselves of residence study. In residence the student comes into personal contact with teachers and a large body of students. The constant contact with scholarly and cultured people has always been looked upon as a prime factor in rounded education of young people.

However, to quote the *University of Texas Bulletin*: " . . . correspondence study offers substantial advantages. In correspondence instruction the teaching is entirely individual; each student comes into individual relation with the instructor in a way impossible in the crowded class-room. He recites the whole of every lesson with a consequent advantage to himself that is obvious. Full opportunity is given to discuss all difficulties in writing, and this written discussion in itself affords valuable training. Further, a correspondence student is not hampered by the usual time regulations; he may take up study at his convenience without awaiting the fixed date of a college term."

In offering these courses to *school teachers,* the University has no desire whatever to interfere with the regular work of the teachers but wishes simply to give them an opportunity to better their educational training during their spare hours.

Length of Courses. Each correspondence course has been developed by a member of the faculty so that it parallels a course given in residence in the same subject and covers an equal amount of work for which equal credit is given. Although it may vary, a correspondence course which gives one-half course credit has about sixteen assignments and for one course credit there are about twenty-seven assignments. Each assignment covers ap-

proximately two days of residence work. On such assignments a student is expected to put approximately six hours or else sufficient time to do the work in the best possible manner. Where there is a small number of assignments in a course, each assignment covers several days of residence work. The number of assignments in a course is really incidental since the total amount of work for a unit of credit is always the same.

Text-books are purchased by the students themselves, usually through the Extension Division. Reference books for supplementary reading may be borrowed from the University Library through the Extension Division.

Credit

All courses offered count toward the A. B. degree. Certain courses are credited toward the B.S. in Commerce. The Division of Certification of the State Department of Public Instruction at Raleigh will credit toward *state teachers' certificates* correspondence courses for which the University gives degree credit. One course (subject) equals three and one-third semester hours of certification credit, and a half course is equal to two semester hours. Either two courses or three half courses give the same credit as attendance at one summer school.

An applicant for correspondence work must meet the University entrance requirements and be enrolled in the University if either degree or certification credit is desired. The University entrance requirements state that an applicant must have at least 15 units from an accredited high school. An applicant for advanced standing may be admitted to the sophomore, junior, or senior class when credit for work taken at other colleges has been properly transferred to this University and accepted by the examining committee.

Regulations

Not more than two courses (subjects) may be carried at one time and it is advisable to take one course and complete that before registering for another. One year of residence work is required before a degree will be granted. Final examinations in all courses for which credit is desired must be taken by the student either at the University or at home under conditions approved by the University. No credit will be given unless a course is completed within twelve months from date of registration. A course previously taken in any institution for which either degree or certification credit has already been given can not be taken for credit by correspondence. Teachers who need professional courses for certification credit should select courses only in their own professional field.

Without Credit

Those who desire to take correspondence courses but do not wish credit may register for such, provided they have the ability to carry on the work intelligently.

FEES

A fee of $5 is charged for each half course (subject); a fee of $10 is charged for one course. No fees or parts of fees can be remitted after a course is once begun. A registration fee holds good for twelve months only. If a course is not completed within that time a new registration and fee will be required if it is desired to continue the course.

Method of Registration for Correspondence Work. Enrollment blanks and further information regarding any specified course will be sent upon request. Previous education should be outlined. Courses may be begun at any time but the best time to register is between September and December. By the fall of 1922 an additional number of courses will be offered and a bulletin describing them will be issued during the summer of 1922.

CORRESPONDENCE COURSES

ECONOMICS

c 1. GENERAL ECONOMICS.
PROFESSOR WOOSLEY. Credit, 1 course.
Sophomore and Junior elective. Fee, $10.00.

This course is designed to present the outlines of economic theory and to give the student an understanding of the general principles underlying our complicated industrial life. An analysis is made of the forces which operate in markets to determine value, and the features of the consumptive, productive and distributive processes are presented. This course parallels Economics 1 in general catalog.

c 2. GENERAL ECONOMICS.
PROFESSOR WOOSLEY. Credit, 1 course.
Sophomore and Junior elective. Fee, $10.00.

This course is planned to present, in a scientific way, the several economic problems which characterize our industrial system. Emphasis is placed on the practical phases of economic study. Money and Banking, Foreign Exchange, Foreign Trade and Tariff legislation, the Monopoly problem, the labor situation and various schemes of economic reform constitute the chief topics of study. This course parallels Economics 2 in the general catalog.

c 3. INDUSTRIAL HISTORY.
Professor Woosley. Credit, 1 course.
Sophomore and Junior elective. Fee, $10.00.

The purpose of this study is to lead the student through the channel of history into the field of modern economy. Our present economic system is presented as a product of evolutionary processes. Special emphasis is placed on the development of the wage system, the ebb and flow of business activity, the expansion of markets, the growth of capital, etc., as they have manifested themselves in English and American history. This course parallels Economics 15 in the general catalog.

c 6. ENGLISH OF COMMERCE. (SEE ENGLISH c 6.)

c 7. INVESTMENTS. Credit, 1 course.
Professor Matherly. Fee, $10.00.

Prerequisites, Economics 1-2.

A study of the various forms of investment with reference to their suitability for the different types of investors; the money market, its nature and the financial factors which influence the price movement of securities; elements of sound investment and methods of computing net earnings, amortization, rights and convertibles. The aim will be to train the student so he will be able to act efficiently in a financial capacity either as a borrower or lender, as investor or trustee, or as fiscal agent of a corporation.

EDUCATION

c 2. PRINCIPLES OF SECONDARY EDUCATION.
Professor Williams. Credit, ½ course.
Junior and Senior elective. Fee, $5.00.

A study of the history, function, organization, management, program of studies, and internal equipment of the high school. Text-book, parallel reading, reports.

c 3. HIGH SCHOOL METHODS.
Professor Williams. Credit, ½ course.
Junior and Senior elective. *Fee*, 5.00.

The course discusses the general principles of psychology and pedagogy which underlie the methods of teaching in the high school. Both pupils and subject-matter are considered as factors in the development of self-directing and self-controlling individuals.

c 4. EDUCATIONAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, 1 course.
Sophomore, Junior and Senior elective. Fee, $10.00.

The central topic to be the psychology of learning or improvement, especially in children. The basis of learning, the different sort of learning, and the various factors that condition it are major problems of the course. Assigned readings, problem-questions, and experiments to be conducted by the student on chidren or others are the methods used. Some previous knowledge of elementary principles of psychology is recommended but not required.

c 5. PUBLIC SCHOOL EDUCATION IN THE SOUTH.

PROFESSOR KNIGHT. Credit, 1 course.
Sophomore and Junior elective. Fee, $10.00.

This course gives a historical survey of public school education in the Southern States with especial attention to its development in organization, administration, and supervision since 1876. Present-day questions in rural education are studied in the light of their historical development, and attention is given to the educational reorganizations needed for the proper solution of the new rural life problems. This course parallels Education 26 in the general catalog.

ENGLISH

c 1. FRESHMAN ENGLISH.

MR. LINDSEY. Credit, 1 course.
Fee, $10.00.

Intensive reading, chiefly in American prose; extensive reading among selected books and periodicals; constant written composition on topics related to the reading. This course parallels English 1 in the general catalog.

c 3. SOPHOMORE ENGLISH.

PROFESSOR HIBBARD. Credit, 1 course.
Fee, $10.00.

Works representative of English literature are studied as an expression of the life and thought of the periods in which they were written and as the embodiment of permanent human interests and ideals. These courses parallel English 3 in the general catalog.

c 6. ENGLISH OF COMMERCE (BUSINESS ENGLISH).

MR. HOWELL. Credit, ½ course.
Prerequisite, English 1. Fee, $5.00.

A course in the vocabulary, forms and literature of the business profession with special attention to letters of application, and inquiry, routine, collection, adjustment and sales letters, business reports and technical articles. Specimen letters are studied and criticised and actual business problems solved through written work. This course parallels English 20 under School of Commerce in general catalog.

c 7. THE SHORT STORY.
Professor Hibbard. Credit, ½ course.
Junior and Senior elecive. Fee, $5.00.
A composition course primarily designed to offer students an opportunity for short story writing and to familiarize them with the form. The work of various European and American authors will be studied. This course parallels English 23 in the general catalog.

HISTORY

c 1. MODERN EUROPEAN HISTORY.
Professor Pierson. Credit, 1 course.
Junior and Senior elective. Fee, $10.00.
Course of study dealing with the primary factors that shaped European history from the close of the great religious war, 1648 (The Thirty Years War) to the present time. The present Europe will be interpreted by a study of the influences that gave its nations their present boundaries, their particular forms of government, and their national ideals and ambitions. Outline studies, texts, and reference readings. Ths course parallels History 14 in the general catalog.

c 3. AMERICAN HISTORY.
Professor Graham. Credit, 1 course.
Sophomore, Junior and Senic Fee, $10.00.
elective.
A general course covering the social, political, and economical development of the United States. Text-book, syllabus, papers, and readings. This course parallels History 7 in the general catalog.

LATIN

c 1. CICERO, DE SENECTUTE.
Professor Harrer. Credit, 1 course.
Freshman elective. Fee, $10.00.
The course is concerned with the translating of Latin with work in vocabulary, and with a review of the chief principles of grammar.

c 2. LATIN COMPOSITION.
PROFESSOR HENRY. Credit, 1 course.
Freshman and Sophomore elective. Fee, $10.00.
The course will begin with translation into Latin of detached sentences illustrating the general principles of syntax and word-order; the second half will deal with continuous narrative and with questions of diction and style.

MATHEMATICS

c 3. COLLEGE ALGEBRA.
PROFESSOR HOBBS, Fee, $10.00.
Freshman. Credit, ½ course.
It treats the quadratic equation with a detailed discussion of the nature of its roots. Graphs are especially stressed. Determinants and their properties are gone into. Other topics, such as complex numbers, partial fractions, etc., are touched upon.

c 4. TRIGONOMETRY.
PROFESSOR LASLEY. Credit, 1 course.
Freshman. Fee, $10.00.
This course concerns itself with the definitions of the trigonometric functions and the relations between the functions, their relation to the large notion of angles, the application of the functions and the log table to the solution of triangles both in the plane and on the sphere.

SOCIOLOGY

c 1. COMMUNITY ORGANIZATION.
PROFESSOR STEINER. Credit, 1 course.
Freshman, Sophomore, Junior and Senior elective.
Principles of collective behavior and social control in their application to problems of community work. Analysis of different types of communities. Technique of community diagnosis. Fundamental factors involved in community organization. Evaluation of methods of community work. Study of examples of successful experiments in community organization. This is a professional course designed primarily for teachers, social workers, county superintendents of public welfare, and others interested in community work. This course parallels Sociology 8 in the general catalog.

Note. Many of the advanced courses may be taken for credit by teachers and others who have had sufficient experience, even though they do not have the college rank which a particular course calls for.

EXTENSION CLASSES

Extension Classes. Whenever there is sufficient demand extension classes in University subjects will be organized in some of the cities of the State. These classes will meet one evening a week for sixteen weeks and will be taught by a regular member of the faculty. The same credit will be given as for residence work. Any individual or group of people interested in taking a course should write to the University Extension Division.

II. BUREAU OF LECTURES

The University conducts a lecture bureau for the purpose of aiding schools, women's clubs, Rotary and Kiwanis clubs, and other organizations in obtaining speakers to discuss with them the problems incident to their daily activities and to interest them in those things which look to the upbuilding of the State and the cultivation of the finer things of the spirit. Addresses for special occasions such as school and college commencements are also supplied upon application.

No fee for lecture service is charged but the traveling and incidental expenses of the lecturer are defrayed by the organization for which the lecture is made.

Each year the division publishes a bulletin containing full information as to subjects and lectures, copies of which can be secured upon application.

III. SHORT COURSES IN INSTITUTES

Occasionally there are held at the University short courses for teachers of community schools for adults, community service directors, and welfare workers. Also occasionally institutes and conferences are arranged in cooperation with other organizations in the state on good roads, country life, and state and county council.

Organizations or groups of workers wishing the Extension Division to arrange for them a short course, institute or special meeting, should write to this bureau. Community or county institutes consisting of special lecture programs and group conferences will be set up in any community or county upon request, expenses to be defrayed by the local organizations.

IV. PUBLIC DISCUSSION

The aim of the Bureau of Public Discussion is to promote study and public discussion on live, up-to-date questions and to furnish information on current political, social and economic problems as well as to encourage and assist in the study of good literature. The Bureau of Public Discussion is divided into six sections.

The Package Library Section serves as a background for all the work of the Bureau of Public Discussion. Pamphlets, clippings, and books on a given subject assembled in a convenient form for mailing constitute a package library.

The Women's Clubs Section prepares programs for sustained study by women's organizations. In the case of clubs following the printed programs a fixed charge is made.

The Parent Teacher Association Section encourages the organization of such associations and assists them in the preparation of programs. An Extension Bulletin containing sixty suggested programs has recently been issued.

Other Sections of this Bureau are as follows: Group Discussion, General Information and Home Reading Courses.

V. BUREAU OF COMMUNITY DRAMA

The Bureau aims to encourage the writing of original plays drawn from tradition and local history and also from the present-day life of the people. The services of a trained dramatic director will be supplied, where practicable, either to produce a play or to give advice concerning the final details of scenery, costuming, make-up, etc. Field agents will be sent out to advise concerning stage construction and equipment.

The Bureau will undertake the direction of the writing of communal plays based on history and tradition. The Bureau will aid any community in securing an expert dramatic director who will take entire charge of the production if desired. The Library Extension Service may be utilized by any citizen of the state in selecting plays and pageants and procuring reference books on production as well as historical material for the writing of community pageants and plays.

VI. COMMERCIAL AND INDUSTRIAL RELATIONS

This Bureau will be under the supervision of the School of Commerce of the University. The members of the staff will be glad to cooperate with the manufacturing, banking, and commer-

cial interests of the State in the solution of any problems which may be brought to their attention. Laboratories, statistical information, research methods, interpretative devices, and expert opinion are available for use by any worthy individual or organization. Problems may be submitted for study and opinion, or arrangements may be made for a member of the staff to visit the establishment or community for first-hand observation and study.

VII. BUREAU OF COMMUNITY MUSIC

The head of the Department of Music is available for the following services: 1. Leadership for community sings; 2. Formation of community choruses; 3. Lectures on public school and community music; 4. Piano and organ recitals.

VIII. MUNICIPAL INFORMATION AND RESEARCH

This Bureau is maintained by the School of Public Welfare and answers will be given to specific inquiry with reference to legislation, charters, and other matters of interest. Through the Library Extension Service bibliographies, reading lists, and books on municipal subjects will be loaned. The Bureau will also undertake in a small way to advise with the town and interested individuals concerning special problems, and to direct them to sources of assistance.

IX. RURAL SOCIAL ECONOMICS

Before a definite movement is inaugurated to upbuild a county or community from an economic and social standpoint, it is necessary to have at hand an accurate summary of existing facts. What is known as the "social survey" is the best method for securing such facts.

The Department of Rural Social Science of the University for years has been collecting data on social and economic conditions in North Carolina. This material is available through loans from the library, articles in the *News Letter,* and bulletins which record the results of a number of county economic and social surveys. *The News Letter,* which is edited by this department, appears fifty times each year.

During the year a large number of county and State-wide studies are made involving no small amount of time and drudgery, and thousands of letters are written in answer to inquiries about life and business in North Carolina.

X. COMMUNITY DEVELOPMENT

The Bureau of Community Development offers service along the line of community organization, recreation, student service,

and child welfare. The School of Public Welfare is in charge of this work. Bibliographies and reading lists on the subject of sociology, community organization, etc., will be provided upon request. Plans for community councils and cooperative work will be suggested when desired. The services of field agents are available to visit towns with reference to special programs of recreation or community development.

XI. HIGH SCHOOL DEBATING AND ATHLETICS

The University Extension Division through this Bureau offers a stimulating service to the high schools of the state in debate and athletics. The High School Debating Union is the medium through which assistance is offered in debate, and the high school athletic contests, five in number, provide the avenue for assistance in the development of athletics.

The High School Debating Union was organized in 1912-13 and has rounded out nine years of successful service. Two hundred and fifty high schools, grouped in triangles, discuss some important question each year. The school winning both debates sends their teams to the University to compete during High School week in the final contest for the Aycock Memorial Cup.

In the annual state championship contests a large number of school enter divided as follows: Football 27, basket-ball 44, base-ball 36, track 15, and tennis 12. In each contest when the eastern and western sectional championship has been decided these two teams come to the University and play for state honors.

XII. DESIGNS AND IMPROVEMENTS OF SCHOOL GROUNDS

The principle function of this Bureau is to promote the beautification of school grounds in North Carolina. However service is also offered for the beautification of home grounds, factories, parks, and playgrounds.

The work of this Bureau is carried on by visits of a field agent upon request, the preparation of specific plans, and by the sending out of bulletins.

In offering the service of the field agent the Extension Division follows the usual practice which obtains in all its service—no charge will be made for personal visits except that the travel and subsistence expenses of the field worker are to be defrayed by the school or organization requesting the service.

XIII. EDUCATONAL INFORMATION AND ASSISTANCE

This Bureau is maintained through the cooperation of the School of Education. The several members of the faculty of the School offer to the State the following lines of service: Educational tests and measurements; school surveys; teachers' appointments; advice and counsel with reference to school buildings, equipment, and general administrative problems.

PART IV

COURSES OF INSTRUCTION

NOTES ON THE METHOD OF NUMBERING COURSES

The courses described in this section of the catalogue are those offered in The College of Liberal Arts, in The School of Applied Science, and in The Graduate School.

For courses offered in The School of Education, see page 142.
For courses offered in The School of Commerce, see page 156.
For courses offered in The School of Law, see page 187.
For courses offered in The School of Medicine. see page 197.
For courses offered in The School of Pharmacy, see page 208.
For courses offered in The Summer School, see page 220.

Courses with a double number are completed in two quarters and in general credit will not be given until both quarters have been completed. Certain of these courses meet only three times a week and count as one course; for example, History 11-12. Courses which meet five times a week for two quarters carry a credit of two courses; for example, Economics 1-2.

Courses with three numbers require three quarters to complete. Those meeting five times a week carry a credit of three courses; for example, Botany 4-5-6. Those meeting only three times a week carry a credit of one and a half courses; for example, English 13-14-15.

DEPARTMENT OF BOTANY

WILLIAM CHAMBERS COKER, Ph.D., *Kenan Professor of Botany.*
HENRY ROLAND TOTTEN, A.M., *Instructor in Botany.*

Teaching Fellow in Botany, 1921-1922

JOHN NATHANIEL COUCH, A.B.

Assistants in Botany, 1921-1922

ETTA PIERSON. ALMA HOLLAND.
FREEMAN AUGUSTUS GRANT.

(For description of Biological Laboratories, see page 49.)

Courses for Undergraduates

1. GENERAL BOTANY.
PROFESSOR COKER and MESSRS. TOTTEN, COUCH and GRANT. Credit, 1 course. *Six hours a week.* *Fall or Spring Quarter.* *Laboratory fee, $4.00.*
Freshman, Sophomore, Junior and Senior elective.

An introduction to the structure and classification of plants. Lectures with laboratory and field work.

2. STRUCTURE AND CLASSIFICATION OF SEED PLANTS.

PROFESSOR COKER and MR. TOTTEN. Credit, 1 course.
Five hours a week.
Sophomore, Junior and Senior elective. *Spring quarter.*
Laboratory fee, $4.00.
Prerequisite: Botany 1.

Structure and classification of Seed Plants with special attention to agricultural problems.

3. For description of Course 3, see School of Pharmacy.

Courses for Graduates and Advanced Undergraduates

4-5-6. SPECIAL MORPHOLOGY OF THE FUNGI.

PROFESSOR COKER and MR. TOTTEN. Credit, 3 courses.
Five hours a week.
Prerequisite: Botany 1. *Fall, Winter and Spring Quarters.*
Laboratory fee, $4.00 a quarter.

Special Morphology of the Fungi with special attention to plant diseases, the culture of the lower fungi, and the identification of mushrooms. Lectures with laboratory and field work. (Credit will be given for any quarter.) These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition.

8. HISTORY OF BOTANY. Credit, ½ course.
PROFESSOR COKER. *Three hours a week.*
Prerequisite.: Two courses in botany. *Winter Quarter.*
Lectures, readings, and reports.

Courses Primarily for Graduates

107-108-109. PLANT MORPHOLOGY.

PROFESSOR COKER. Credit, 3 courses.
Five hours a week.
Fall, Winter and Spring Quarters.
Laboratory fee, $4.00 a quarter.

Advanced work in the embryology and anatomy of plants. The student is required to collect and prepare material for the

microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition.

110-111-112. GRADUATE RESEARCH.

PROFESSOR COKER. *Laboratory fee, $4.00 a quarter.*

Original work, with thesis, under the guidance of the instructor. This course may cover most of the work of the student for several years, credit being given each year in accordance with the work done.

DEPARTMENT OF CHEMISTRY

JAMES MUNSIE BELL, Ph.D., *Smith Professor of Chemistry.*

FRANCIS PRESTON VENABLE, Ph.D., D.Sc., LL.D., *Kenan Professor of Chemistry.*

ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*

JAMES TALMAGE DOBBINS, Ph.D., *Associate Professor of Chemistry.*

FRANK CARL VILBRANDT, Ph.D., *Associate Professor of Industrial Chemistry.*

ISAAC VILAS GILES, M.S., *Instructor in Chemistry.*

HAYWOOD MAURICE TAYLOR, B.S., *Instructor in Chemistry.*

SAMUEL CLEMENT SMITH, A.M., *Instructor in Chemistry.*

Teaching Fellows in Chemistry, 1920-1921

RICHARD ARTHUR LINEBERRY, B.S.
FREDERICK PHILLIPS BROOKS, B.S.
HORACE DOWNS CROCKFORD, B.S.
ERNEST WILLIAM CONSTABLE, B.S.

Assistants in Chemistry, 1921-1922

ERNST OTTO MOEHLMANN.
LAURANCE VERMEULE PHILLIPS.

(For description of Chemical Laboratories, see page 48.)

Courses for Undergraduates

1-2. GENERAL DESCRIPTIVE CHEMISTRY.

PROFESSOR VENABLE, MESSRS. TAYLOR, SMITH, LINEBERRY, BROOKS, CROCKFORD and PHILLIPS. Credit, 2 courses. *Six hours a week. Fall and Winter Quarters. Laboratory fee,* $4.00.

An introduction to the study of the principal non-metallic and metallic elements and their compounds. Lectures with laboratory work.

1-2E. GENERAL DESCRIPTIVE CHEMISTRY.

PROFESSOR BELL, MESSRS. TAYLOR, SMITH, LINEBERRY, BROOKS, CROCKFORD and PHILLIPS.

Credit, 2 courses.
Six hours a week.
Fall and Winter Quarters.
Laboratory fee, $4.00 a quarter.

An introduction to the study of the principal non-metallic and metallic elements and their compounds with special emphasis on problems. Required of B. S. students. Lectures with laboratory work.

8. CHEMICAL EQUATIONS.

PROFESSOR DOBBINS.
Prerequisite, Chemistry 41-42.

Credit, 1 course.
Five hours a week.
Spring Quarter.

A detailed study of the reactions of the elements and their compounds. Lectures and text-books.

21-22-23. RESEARCH FOR SENIORS.

PROFESSORS BELL, VENABLE, WHEELER, DOBBINS, and VILBRANDT.
Prerequisite, Chemistry 45-46-47, 61-62, 81-82.

Credit, 3 courses.
Six hours a week.
Fall, Winter and Spring Quarters.
Laboratory fee, $10.00 a quarter.

31. QUALITATIVE ANALYSIS.

PROFESSOR DOBBINS and MR. GILES.
Prerequisite, Chemistry 1-2.
Laboratory work and lectures.

Credit, 1 course.
Five hours a week.
Fall or Spring Quarter.
Laboratory fee, $10.00.

41. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS and MR. CONSTABLE.
Prerequisite, Chemistry 31.

Credit, 1 course.
Five hours a week.
Fall Quarter
Laboratory fee, $10.00.

Gravimetric Analysis. Laboratory work, lectures and stoichiometric exercises.

42. ELEMENTARY QUANTITATIVE ANALYSIS.
PROFESSOR DOBBINS and MR. CONSTABLE. Credit, 1 course.
Five hours a week.
Prerequisite, Chemistry 41. *Winter Quarter.*
Laboratory fee, $10.00.
Volumetric Analysis. Laboratory work, lectures and stoichiometric exercises.

44. ELEMENTARY QUANTITATIVE ANALYSIS.
Prerequisite, Chemistry 31. Credit, ½ course.
MESSRS. GILES and MOEHLMANN. *Three hours a week.*
Winter Quarter.
Laboratory fee, $7.00.
A brief course in gravimetric methods, followed by a more extended course in volumetric methods. Open only to B.S. IV and Pre-Medical students.

47. OPTICAL METHODS OF ANALYSIS.
PROFESSOR VILBRANDT. Credit, 1 course.
Prerequisite, Chemistry 41-42 *Five hours a week.*
Spring Quarter.
Laboratory fee, $7.00.
Spectroscopic, Microscopic and Microchemical Methods.

61. ORGANIC CHEMISTRY. Credit, 1 course.
PROFESSOR WHEELER and MR. MOEHLMANN. *Five hours a week.*
Spring Quarter.
Prerequisite, Chemistry 31. *Laboratory fee*, $7.00.
The Aliphatic Series.
Required of B.S. I, and B.S. II and Pre-Medical students.

Courses for Advanced Undergraduates and Graduates

11. INDUSTRIAL CHEMISTRY. Credit, 1 course.
PROFESSOR VILBRANDT. *Five hours a week.*
Prerequisite Chemistry 1-2, and 61. *Fall Quarter.*
Laboratory fee, $7.00.
The methods and economics of the inorganic chemical industries; lectures and laboratory work.

12. INDUSTRIAL CHEMISTRY. Credit, 1 course.
PROFESSOR VILBRANDT. *Five hours a week.*
Prerequisite, Chemistry 11. *Winter Quarter.*
Laboratory fee, $7.00.
The methods and economics of the organic chemical industries; lectures and laboratory work.

13. CHEMISTRY OF FOODS. Credit, 1 course.
PROFESSOR VENABLE. *Five hours a week.*
Prerequisite, Chemistry 1-2. *Spring Quarter.*
Digestion processes; and the composition, preservation, adulteration and industrial production of foods.

18. HISTORY OF CHEMISTRY. Credit, ½ course.
PROFESSOR VENABLE. *Three hours a week.*
Prerequisite, Chemistry 61-62 *Spring Quarter.*
81-82.
History of Chemistry: with discussion of the development of chemical theories.

45. TECHNICAL QUANTITATIVE ANALYSIS.
PROFESSOR VILBRANDT. Credit, 1 course.
Prerequisite, Chemistry 41-42 *Five hours a week.*
Fall Quarter.
Laboratory fee, $7.00.
Water, Oil, Fuel and Gas Analysis.

46. TECHNICAL QUANTITATIVE ANALYSIS.
PROFESSOR VILBRANDT. Credit, 1 course.
Prerequisite, Chemistry 41-42 *Five hours a week.*
Winter Quarter.
Laboratory fee, $7.00.
Steel, Cotton Products, and miscellaneous materials.

62. ORGANIC CHEMISTRY.
PROFESSOR WHEELER and Credit, 1 course.
MR. MOEHLMANN. *Five hours a week.*
Prerequisite, Chemstry 61. *Fall Quarter.*
Laboratory fee, $7.00.
The Carbocyclic and Heterocyclic Series.

63. IDENTIFICATION OF PURE ORGANIC COMPOUNDS.
PROFESSOR WHEELER. Credit, 1 course.
Prerequisite, Chemistry 62. *Five hours a week.*
Spring Quarter.
Laboratory fee, $7.00.

64. ADVANCED ORGANIC CHEMISTRY.
PROFESSOR WHEELER. Credit, 1 course.
Prerequisite, Chemistry 62. *Five hours a week.*
Winter Quarter.
Chemistry of the Coal Tar Dyes. Lectures and recitations.

81. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
Prerequisite, Chemistry 41-42 *Five hours a week.*
Winter Quarter.
Laboratory fee, $4.00.

Study of the properties of solids, liquids and gases, and of their relation to chemical constitution.

82. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
Prerequisite, Chemistry 81. *Five hours a week.*
Spring Quarter.
Laboratory fee, $4.00.

The theory of solutions.

83. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
Prerequisite, Chemistry 81-82. *Five hours a week.*
Fall Quarter.

The methods of physical chemistry as applied to industrial processes. Lectures and text-books.

84. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
Prerequisite, Chemistry 81-82. *Five hours a week.*
Spring Quarter.

Electrochemistry. Lectures and text-books.

Courses Primarily for Graduates

114-115-116. ADVANCED TECHNICAL CHEMISTRY.

PROFESSOR VILBRANDT. Credit, 1½ courses.
Prerequisite, Chemistry 11-12-13. *Fall, Winter and Spring Quarters.*

Seminar Course: readings and discussions of recent advances in Technical Chemistry. This course extends throughout the year.

117-118-119. RESEARCH IN INDUSTRIAL CHEMISTRY.

PROFESSOR VILBRANDT. Credit 3 courses.
Fall, Winter and Spring Quarters.
Laboratory Fee, $10.00 *a quarter.*

This course (or 127-128-129 or 177-178-179 or 197-198-199) is intended for applicants for advanced degrees. Laboratory work

with frequent conference with the professor and reference to the literature relating to the subject of research. The subject of research must be assigned or approved by the professor. This course extends throughout the year.

124-125-126. ADVANCED INORGANIC CHEMISTRY.

PROFESSOR VENABLE. Credit, 1½ courses.
Prerequisite, Chemistry 8. *Fall, Winter and Spring Quarters.*

Seminar Course: readings and discussions of recent advances in inorganic chemistry. This course extends throughout the year.

127-128-129. RESEARCH IN INORGANIC AND ANALYTICAL CHEMISTRY.

PROFESSOR VENABLE. Credit, 3 courses.
Fall, Winter and Spring Quarters.
Laboratory fee, $10.00 a quarter.

The statements made in regard to course 117-118-119 apply also to this course.

174-175-176. ADVANCED ORGANIC CHEMISTRY.

PROFESSOR WHEELER. Credit, 1½ courses.
Prerequisite, Chemistry 63 and 64. *Fall, Winter and Spring Quarters.*

Seminar Course: readings and discussion of special chapters in organic chemistry. This course extends throughout the year.

177-178-179. RESEARCH IN ORGANIC CHEMISTRY.

PROFESSOR WHEELER. Credit, 3 courses.
Fall, Winter and Spring Quarters.
Laboratory fee, $10.00 a quarter.

The statements made in regard to Course 127-128-129 apply also to this course.

194-195-196. ADVANCED PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1½ courses.
Prerequisite, Chemistry 83 and 84. *Fall, Winter and Spring Quarters.*

Seminar Course: readings and discussions of recent advances in physical chemistry. This course extends throughout the year.

197-198-199. RESEARCH IN PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 3 courses.
Fall, Winter and Spring Quarters.
Laboratory fee, $10.00 a quarter.

The statements made in regard to Course 127-128-129 apply also to this course.

The Journal Club meets fortnightly. The current Journals, American, English, German, and French, both the purely scientific and the technical are reviewed by the students and instructors. Attendance is expected of students in advanced courses.

DEPARTMENT OF COMPARATIVE LITERATURE

Courses in Comparative Literature are administered by a special committee consisting of Professors Greenlaw, Howe, and Toy. They may be elected as a minor, or, with the approval of departments, as partially satisfying major requirements in the division of Languages and Literatures.

The province of courses offered under this heading is indicated by the following aims: 1. To acquaint students with significant periods in the development of human culture through the medium of literature considered without regard to national or linguistic bounds. 2. To study, through translations, the chief literary masterpieces other than English, ancient and modern. 3. To gain some acquaintance with the special traits of various nationalities as revealed in their literatures, thus supplementing the study of history and of the various languages, and contributing to a better understanding of international relationships.

Courses for Undergraduates

1-2-3. SURVEY OF EUROPEAN LITERATURE THROUGH THE SIXTEENTH CENTURY. Credit, 1½ courses.
PROFESSOR GREENLAW. *Fall, Winter and Spring Quarters.*
Junior and Senior elective. *Given in 1920-1921 and in alternate years.*
Required of candidates for Honors.

A study of the medieval mind as reflected in masterpieces of literature, of the value of these masterpieces to modern culture, and of certain modern versions of medieval story. Material read is selected from (a) the early heroic poetry: Beowulf, Icelandic and old Norse legend, the Nibelungenlied; chivalric poetry; The Song of Roland, and its influence on French and Italian romance; the Arthurian material: early Celtic legends; the Arthurian romance in France; Malory, and the literary influences of this material. Translations from the original are supplemented by certain modern versions, such as Arnold's *Balder Dead;* Morris's *Sigurd the Volsung*, and other medieval legends; Tennyson's Arthurian legend, etc.

(b) Dante. Selections from Dante's poetry are accompanied by material illustrative of medieval Christian thought, the founding of the universities, and classical influences (philosophy and epic poetry). Taylor's *Medieval Mind;* Grandgent's *Dante;* and essays by Carlyle and others are also used.

(c) The Age of Chaucer. Besides selections from Chaucer's poetry, some attention is paid to such material as the ballads, the *Romance of the Rose*, the stories of Renard the Fox, Froissart, Caxton's service to printing.

(d) Italian literature of the Renaissance: Petrarch, Boccaccio, Ariosto, Tasso.

(e) Spanish and French literature; Amadis of Gaul, Don Quixote, Rabelais, Montaigne.

4-5-6. SURVEY OF EUROPEAN LITERATURE SINCE 1600.

PROFESSOR GREENLAW. Credit, 1½ courses.
Junior and Senior elective. *Fall, Winter, and Spring Quarters.*
Required of candidates for Honors. *Given in 1921-1922 and in alternate years.*

A companion course to the preceding, but more limited in scope on account of the greater complexity of modern literature. The purpose is to afford an opportunity for the student to become acquainted with materpieces of modern European literature in translation, both as elements in individual culture and as means to a better understanding of national ideals. Certain English works are included where these have influenced European literature.

English 66. THE NINETEENTH CENTURY NOVEL.

PROFESSOR DARGAN. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Spring Quarter.

A survey of the development of the English novel during the nineteenth century, with attention to parallel developments in French and Russian fiction. Special studies will be made of Scott, Thackeray, George Eliot, and George Meredith; considerable reading will be required in the work of Balzac, Turgenieff and Tolstoy.

Latin 10. LATIN LITERATURE IN ENGLISH TRANSLATION.

PROFESSOR HOWE. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Spring Quarter.

Lectures and readings. This course is open to students who have no knowledge of the Latin language.

Courses for Graduates and Advanced Undergraduates

English 41. THE ENGLISH RENAISSANCE.

PROFESSOR GREENLAW. Credit, 1 course.
Five hours a week.
Fall Quarter.

The political and literary background of the English Renais-

sance, including the study of classical learning and medieval literature and thought influential during the period, with some consideration of the Italian Renaissance. The chief readings are in Spenser and his contemporaries.

English 42. THE ENGLISH RENAISSANCE.

PROFESSOR GREENLAW. Credit, 1 course.
Five hours a week.
Winter Quarter.

A study of the works of Bacon, with emphasis on his relation to the educational and political theory of the Renaissance and his contribution to scientific method.

English 68. COMPARATIVE DRAMA.

PROFESSOR KOCH. Credit, 1 course.
Five hours a week.
Winter Quarter.

A general survey of the drama and the theatre from Aeschylus to Ibsen. The development of dramatic literature is studied through representative plays in translation of the leading European dramatists.

English 69. COMPARATIVE DRAMA.

PROFESSOR KOCH. Credit, 1 course.
Five hours a week.
Spring Quarter.

A brief consideration of the early English drama and a study of the folk tradition in more recent times—especially in Ireland. Particular attention is paid to the Celtic Renaissance—to the rediscovery of the Irish legends, and the work of Yeats, Synge, Lady Gregory, St. John Ervine, and others. Consideration is given to the beginnings of a new folk drama in America. (Offered in 1922-1923 and in alternate years.)

English 71. THE MODERN DRAMA.

PROFESSOR KOCH. Credit, 1 course
Five hours a week.
Spring Quarter.

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (Offered in 1921-1922 and in alternate years).

English 78. LITERARY CRITICISM.

PROFESSOR FOERSTER. Credit, 1 course
Five hours a week.
Spring Quarter.

Through a study of such literary critics as Plato, Aristotle,

Horace, Coleridge, Wordsworth, Henry James, and Croce, this course aims to render clear the principles of classical, pseudo-classical, romantic, and realistic art, and to consider the possibility of an absolute criterion for the evaluation of literature.

Greek 23-24-25. GREEK DRAMA IN ENGLISH TRANSLATIONS.

PROFESSOR BERNARD. Credit, 1½ courses.
Three hours a week.

A course designed to embrace the origin, development, technique and content of the entire Greek Drama, with emphasis on the tragedy as one interpretation of Greek life and thought as a contribution to world progress. (This course can be begun in any quarter, on application.)

Latin 14. THE LATIN EPIC.

PROFESSOR HOWE. Credit, 1 course
Five hours a week.
Spring Quarter.

The history of Latin Epic; detailed study of the *Aeneid.*

Latin 32. THE POETRY OF OVID.

PROFESSOR HOWE. Credit, 1 course.
Five hours a week.
Winter Quarter.

The reading in English of Ovid's complete works with detailed study of the *Metamorphoses.*

DEPARTMENT OF ECONOMICS

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics.*
CLAUDIUS T. MURCHISON, Ph.D., *Associate Professor of Business Economics.*
WALTER J. MATHERLY, M.A., *Associate Professor of Business Administration.*
HOMER HOYT, A.B., A.M., J.D., *Associate Professor of Economics.*
JOHN BROOKS WOOSLEY, M.A., *Assistant Professor of Economics.*
FRANKLIN THOMPSON, B.S., *Teaching Fellow.*

Courses for Undergraduates.

1-2. GENERAL ECONOMICS.

PROFESSORS CARROLL AND WOOSLEY. Credit, 2 courses.
Five hours a week.
Sophomore and Junior *Fall and Winter or Winter and Spring Quarters.*

This course is planned to give a general understanding of the fundamental principles underlying our industrial life. An analysis is made of consumption, production, and distribution; of the elements which determine value and price with a brief

introduction to money, banking and credit, monopoly, business combinations, transportations, labor problems, and socialism.

(This course is offered for students in the School of Applied Science as a three hour a week course running through the year, with 1½ course credit).

15. INDUSTRIAL HISTORY.

PROFESSOR WOOSLEY. Credit, 1 course.
Sophomore and Junior elective. *Five hours a week.*
Fall or Spring Quarter.

A survey of the steps by which modern industry has evolved from crude beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activity, the relation of industrial development to political policy, as they have manifested themselves in England and the United States.

Courses for Graduates and Advanced Undergraduates

3-4. MONEY AND BANKING.

PROFESSOR MURCHISON. Credit, 2 courses.
Prerequisite, Economics 1-2. *Five hours a week.*
Fall and Winter Quarters.

A general study of the principles, functions and forms of money, credit and banking; a special study of the current money, credit and banking problems.

6. INSURANCE.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisite, Economics 1-2. *Five hours a week.*
Spring Quarter.

A general study of the principles and methods of property, social (for industrial wage earners), and life insurance; a special study of life insurance.

9. TRANSPORTATION.

PROFESSOR ————. Credit, 1 course.
Prerequisite, Economics 1-2. *Five hours a week.*
Fall Quarter.

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany and the United States; a special study of passenger and freight traffic and rates; a special study of the states' relations to the railways.

10. LABOR PROBLEMS.

PROFESSOR HOYT. Credit, ½ course.
Prerequisite, Economics, 1-2. *Three hours a week.*
Spring Quarter.

A study of labor as a factor in the industrial pr[illegible] of the

wage system and employment problems; of immigration and poverty; of labor organizations, strikes, lockouts, arbitration, factory legislation, and industrial education.

13-14. PUBLIC FINANCE.

PROFESSOR CARROLL. Credit, 2 courses.

Prerequisite, Economics 1-2. *Five hours a week. Winter and Spring Quarters.*

A general study of the principles which are involved in the revenues and expenditures of the State, and in the relation of the State to the industries of its citizens; a special study of taxation—local, State, and National.

16 THEORIES OF ECONOMIC REFORM.

PROFESSOR CARROLL. Credit, ½ course.

Prerequisite, Economics 1-2. *Three hours a week. Fall Quarter.*

An analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Labor Co-partnership, and Industrial Democracy.

18-19-20. ADVANCED ECONOMIC THEORY.

PROFESSOR HOYT. Credit, 2½ courses.

Prerequisites, Economics 1 2. *Fall, Winter and Spring Quarters.*

A survey of economic theory from the standpoint of the evolution of modern industrial society. The three courses will not only include a review of the works of the leading economic writers, but will also summarize the principal physical, psychic and social factors that have shaped economic theory and economic institutions.

Courses Primarily for Graduates

106-107-108. ECONOMICS SEMINAR.

PROFESSOR MURCHISON, CHAIRMAN. Credit, 1½ courses.

Prerequisite, Economics 1-2, 3-4. *Fall, Winter and Spring Quarters.*

A general introduction to methods of advanced study. Some phases of economic activity is selected for consideration in harmony with the interests of the members of the seminar. Methods of work and content receive equal emphasis.

141. SEMINAR.

Individual research in a special field under the direction of a member of the faculty.

NOTE: Students in the College of Liberal Arts who elect Economics as their department for concentrated study in the Junior and Senior years may be permitted to elect certain courses

in the Department of Commerce, subject to the approval of the head of the Department of Economics.

For courses in Accounting, Business Administration, Foreign Trade, Marketing, etc., see School of Commerce.

DEPARTMENT OF ENGLISH

EDWIN GREENLAW, Ph.D., *Kenan Professor of English.*
JAMES FINCH ROYSTER, Ph.D., *Kenan Professor of English Philology.*
FREDERICK HENRY KOCH, A.M., *Professor of Dramatic Literature.*
NORMAN FOERSTER, A.M., *Professor of English.*
JOHN MANNING BOOKER, Ph.D., *Professor of English.*
LOUIS GRAVES, A.B., *Professor of Journalism.*
THORNTON SHIRLEY GRAVES, Ph.D., *Professor of English.*
GEORGE MCFARLAND MCKIE, A.M., *Associate Professor of Public Speaking.*
HENRY MCCUNE DARGAN, Ph.D., *Associate Professor of English, Secretary of the Department.*
CLARENCE ADDISON HIBBARD, M.A., *Associate Professor of English.*
WILLIAM FLINT THRALL, Ph.D., *Assistant Professor of English.*
WILLIAM DOUGALD MACMILLAN, 3rd, A.M., *Instructor in English.*
ALMONTE C. HOWELL, A.M., *Instructor in English.*

Teaching Fellows in English 1921-1922.

EDWIN SAMUEL LINDSEY, A.M.,
RAYMOND WILLIAM ADAMS, A.M.
A. THEODORE JOHNSTON, A.M.
PAUL ELLIOTT GREENE, A.B.
ROLAND PRINCE MCCLAMROCH, A.B.

Assistant in English, 1921-1922.

BRYANT COUNCIL BROWN.

Courses for Undergraduates.

1. FRESHMAN ENGLISH.
PROFESSORS ROYSTER (CHAIRMAN), DARGAN; MESSRS. MACMILLAN, LINDSEY, AND GREENE. Credit, 1 course. *Five hours a week. Every Quarter.*
Intensive reading, chiefly in American prose; extensive reading among one thousand selected books in the Library; constant written composition on topics related with the intensive reading. Required of all Freshmen except those who take English 9abc.

1A. COMPOSITION.

PROFESSOR THRALL (CHAIRMAN) AND MESSRS. ADAMS, JOHNSTON, MCCLAMROCH. Credit, 1 course. *Five hours a week. Every Quarter.*

A prerequisite of English 1 for Freshmen who need additional drill in the mechanics of writing. Upper classmen whose work in other courses is ill-written may be required to take English 1 A.

2. ENGLISH FOR PRE-MEDICAL STUDENTS.

MR. MACMILLAN. Credit, 1 course. *Five hours a week. Spring Qurter.*

A continuation of English 1 for students in the two-year pre-medical course who do not need 1 A.

3-4. ENGLISH LITERATURE.

PROFESSORS FOERSTER, T. S. GRAVES, BOOKER, DARGAN, THRALL, HIBBARD, AND MR. MACMILLAN. Credit, 2 courses. *Five hours a week. Winter, or Winter and Spring, or Fall and Spring Quarters.*

Works representative of the successive periods of English Literature are studied as an expression of the life and thought of the periods in which they were written and as the embodiment of permanent human interests and ideals. Required of all Sophomores except those in Engineering.

9abc. COMPOSITION.

MR. HOWELL and an ASSISTANT

Credit 1 course. *Hours by arranger[illegible] Quarter*

The mechanics of writing studied through class[illegible] and conference on inspection-trip reports and other wri[illegible]ercises of the Freshman year in Engineering courses

10abc. COMPOSITION.

MR. HOWELL and an ASSISTANT

Credit 1 course. *[illegible] by arra[illegible] Quarter*

A continuation of the conference work of course 9, based on the written exercises [illegible] Engineering

11abc. LITERATURE AND TECHNICAL COMPOSITION.

MR. HOWELL. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

A course designed to make clear the relation between literature and science, both by extensive and intensive reading of the classics of English scientific literature and by actual practice in writing technical and professional forms. Required of Juniors in Engineering courses. (To be omitted in 1922-1923).

12abc. CONFERENCE COURSE.

MR. HOWELL. *Hours by arrangement.*

Conference work for Seniors in Engineering, based on laboratory reports and other written work of the Senior Year.

13-14-15. DRAMATIC INTERPRETATION.

PROFESSOR MCKIE. Credit, 1½ courses.
Sophomore, Junior and Senior elective. *Three hours a week.*
Fall, Winter and Spring Quarters.

A course in dramatic action and speech, using as material scenes from Shakespeare's plays and short modern plays.

16-17-18. PUBLIC DISCUSSION AND DEBATE.

PROFESSOR MCKIE. Credit, 1½ courses.
Sophomore, Junior and Senior elective. *Three hours a week.*
Fall, Winter and Spring Quarters.

A study of the principles of argumentation and practice in the application of these principles to speaking in such forums as the town meeting, the legislature, and the court room. Attention will also be paid to voice, gesture, and the relations of speaker and audience. (Required of Sophomores in Engineering.)

20. COMPOSITION.

MR. HOWELL. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Spring Quarter.

A course emphasizing commercial relations and problems, and affording practice in the writing of professional forms. Especially designed for students in the School of Commerce.

21-22 ADVANCED COMPOSITION.

PROFESSOR HIBBARD. Credit, 1 course.
Junior and Senior elective. *Three hours a week.*
Fall and Winter Quarters.

A course in composition for those desiring to do creative writing. Emphasis is placed on originality of thought and style

rather than on mechanics of rhetoric. Opportunity for publication will be afforded. Special permission of instructors is essential to registration for this course.

27. NEWS WRITING.
PROFESSOR LOUIS GRAVES. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Fall Quarter.
An elementary course in the writing of various types of news stories. Members of the class are encouraged to write stories on subjects of interest to the State papers, and some of these productions are published. A prerequisite for English 28.

28. NEWS WRITING AND NEWS EDITING.
PROFESSOR LOUIS GRAVES. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisite, English 27. *Winter Quarter.*
A continuation of English 27. The drill in news writing continues, and the conditions of work imposed grow more nearly like those that prevail in a newspaper office. Beginning of instruction in the editing of news (copy-reading). A prerequisite for English 29.

29. NEWS WRITING, NEWS EDITING, FEATURE WRITING.
PROFESSOR LOUIS GRAVES. Credit, 1 course.
Junior and Senior elective *Five hours a week.*
Prerequisite, English 28 *Spring Quarter.*
A continuation of English 28, including instruction in the writing of feature stories.

37. SHAKESPEARE: THE COMEDIES.
PROFESSOR KOCH. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Fall Quarter.
A study of Shakespeare's contribution to comedy. There is a consideration of Elizabethan conditions, the technique of the theatre and the art of the playwright, and a comparison of Shakespeare's practice in comedy with the classical and other forms. (Offered in 1921-1922 and in alternate years.)

38. SHAKESPEARE: THE TRAGEDIES.
PROFESSOR KOCH. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Fall Quarter.
This course is complementary to English 37. It is a study of Shakespeare's contribution to tragedy and a consideration of

his conception of tragedy as compared with the classical and modern types. (Offered in 1922-23 and in alternate years.)

51. ENGLISH POETRY FROM BURNS TO KEATS.

PROFESSOR DARGAN. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.* *Winter Quarter.*

The greater poets of the romantic period are studied as artists and interpreters of life, in the light of the personal, literary and historical circumstances under which they wrote.

55. VICTORIAN LITERATURE.

PROFESSOR EOOKER. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

The purposes of the course are to understand the best known works of Carlyle, Tennyson, Browning, Arnold, Ruskin and Swinburne; to appreciate their beauty, and to relate them both to their times and to ours.

59. AMERICAN LITERATURE.

PROFESSOR HIBBARD. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.* *Winter Quarter.*

The leading writers and tendencies are studied for their interpretation of life and their revelation of American ideals.

61. GREAT BOOKS OF THE 19th CENTURY, I.

PROFESSOR BOOKER. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Fall Quarter.*

The aims of this course and the one that folows it (62) are: first, to supplement the reading in English 3-4 for those who do not contemplate electing more than one or two courses in English literature; secondly, to interest the student in masterpieces of the 19th century by revealing these as guides for man in the most vital relationships of life,—namely, in 61, his relations to God and to nature; in 62, his relations to woman and to the State.

62. GREAT BOOKS OF THE 19th CENTURY, II.

PROFESSOR BOOKER. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Winter Quarter.*

(For description, see 61 above).

66. THE NINETEENTH CENTURY NOVEL.

PROFESSOR DARGAN. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

A survey of the development of the English novel during the nineteenth century, with attention to parallel developments in French and Russian fiction. Special studies will be made of Scott, Thackeray, George Eliot and George Meredith; considerable reading will be required in the work of Balzac, Turgenieff and Tolstoy.

67. RECENT ENGLISH LITERATURE.

PROFESSOR BOOKER. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

The primary object of the course is to follow certain main currents of modern thought in the more significant literature of the last three decades. The authors with whom the course is chiefly concerned are Hardy, Kipling, Arnold Bennett, Wells and Shaw. (Offered in 1921-1922 and in alternate years.)

Courses for Graduates and Advanced Undergraduates

31-32-33. DRAMATIC COMPOSITION.

PROFESSOR KOCH. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

A practical course in dramatic composition. Emphasis is placed on the materials of tradition and folk-lore, and of present-day life in North Carolina. The essentials of stagecraft are illustrated in the production, by the Carolina Playmakers, of plays written in the course. The course is limited in number.

41. THE ENGLISH RENAISSANCE.

PROFESSOR GREENLAW. Credit, 1 course.
Five hours a week.
Fall Quarter.

The political and literary background of the English Renaissance, including the study of classical learning and medieval literature and thought influential during the period, with some consideration of the Italian Renaissance. The chief readings are in Spenser and his contemporaries.

42. THE ENGLISH RENAISSANCE.

PROFESSOR GREENLAW. Credit, 1 course.
Five hours a week.
Winter Quarter.

A study of the works of Bacon, with emphasis on his relation to the educational and political theory of the Renaissance and his contribution to scientific method.

43-44. THE ELIZABETHAN DRAMA.

PROFESSOR T. S. GRAVES. Credit, 2 courses.
Five hours a week.
Winter and Spring Quarters.

A brief study of the beginnings of the English drama, followed by an intensive study of the period from Lyly to the closing of the theatres. While the method of the course is historical, stress is laid upon ideas rather than technique. The works of Shakespeare and his contemporaries form the basis for the study of certain aspects of Renaissance thought and for constant application of these ideas to life. Students who propose to elect this course are advised to prepare for it by taking at least one of the following courses: English 37, 38, 41, 42.

45. MILTON.

PROFESSOR GREENLAW. Credit, 1 course.
Five hours a week.
Spring Quarter.

The works of Milton are studied in the light of the life, times and culture of the poet, with some consideration of the literary problems which are involved in such a study. Class reports and a thesis or essay are required.

47-48. ENGLISH LIFE AND THOUGHT IN EIGHTEENTH CENTURY LITERATURE.

PROFESSOR DARGAN. Credit, 2 courses.
Five hours a week.
Fall and Winter Quarters.

A survey of English literature from 1660 to 1780, emphasizing (1) changes in national life and manners; (2) the growth of philosophic and political systems; (3) certain characteristic literary forms, such as comedy, the essay and the novel. (In 1922-1923, English 48 will not be given.)

56. VICTORIAN LITERATURE: ADVANCED COURSE.
PROFESSOR BOOKER. Credit, 1 course.
Prerequisite, English 55 or its equivalent. *Five hours a week.*
Fall Quarter.
Practice in using the library through the preparation of papers in a limited field—that of the literature reflecting the political, economic, social, and religious thought of the Victorian era. (Given in 1923-1924 and in alternate years.)

60. AMERICAN LITERATURE.
PROFESSOR FOERSTER. Credit, 1 course.
Prerequisite, English 59. *Five hours a week.*
Spring Quarter.
A study of a limited subject, varied from year to year.

68. COMPARATIVE DRAMA.
PROFESSOR KOCH. Credit, 1 course.
Five hours a week.
Winter Quarter.
A general survey of the drama and the theatre from Aeschylus to Ibsen. The development of dramatic literature is studied through representative plays in translation of the leading European dramatists.

69. COMPARATIVE DRAMA.
PROFESSOR KOCH. Credit, 1 course.
Five hours a week.
Spring Quarter.
A brief consideration of the early English drama and a study of the folk tradition in more recent times—especially in Ireland. Particular attention is paid to the Celtic Renaissance—to the rediscovery of the Irish legends, and the work of Yeats, Synge, Lady Gregory, St. John Ervine, and others. Consideration is given to the beginnings of a new folk drama in America. (Offered in 1922-1923 and in alternate years.)

71. THE MODERN DRAMA.
PROFESSOR KOCH. Credit, 1 course.
Five hours a week.
Spring Quarter.
A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (Offered in 1921-1922 and in alternate years).

75. THE RESTORATION AND EIGHTEENTH CENTURY DRAMA.

PROFESSOR T. S. GRAVES. Credit, 1 course.
Five hours a week.
Fall Quarter.

A rapid survey of the progress of English drama from the Restoration to Sheridan. Special emphasis will be placed upon the types of drama that flourished during the years 1660-1790 and the influences that determined the theatrical conditions of the period. (Offered in 1921-1922 and in alternate years).

78. LITERARY CRITICISM.

PROFESSOR FOERSTER. Credit, 1 course.
Five hours a week.
Fall Quarter.

Through a study of such literary critics as Plato, Aristotle, Horace, Coleridge, Wordsworth, Henry James, and Croce, this course aims to render clear the principles of classical, pseudo-classical, romantic, and realistic art, and to consider the possibility of an absolute criterion for the evaluation of literature.

81. OLD ENGLISH: INTRODUCTORY COURSE.

PROFESSOR ROYSTER. Credit, 1 course.
Five hours a week.
Winter Quarter.

A study of Old English grammar and syntax. A considerable amount of Old English prose is read.

82. PRESENT-DAY ENGLISH.

PROFESSOR ROYSTER. Credit, 1 course.
Five hours a week.
Fall Quarter.

A consideration of the habits of current English: recent spread of English; American English; class and geographical dialects; written and spoken language; word growth and decay; other tendencies observable in the living language

83. MIDDLE ENGLISH: CHAUCER.

PROFESSOR ROYSTER. Credit, 1 course.
Five hours a week.
Spring Quater.

Previous training in Old or Middle English, not a fixed prerequisite. The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with some considera-

tion of Chaucer's language. (Offered in 1922-1923 and in alternate years).

84. MIDDLE ENGLISH LITERATURE: INCLUSIVE OF CHAUCER.

PROFESSOR ROYSTER. Credit, 1 course.
Five hours a week.
Spring Quarter.

The main purpose of the course is to acquaint the student with the social, political, and religious background of medieval England. A fuller study will be made of the historical and philological relations of Middle English than in English 83. (Offered in alternate years.)

Courses Primarily for Graduates

101. BEOWULF.

PROFESSOR ROYSTER. Credit, 1 course.
Five hours a week.
Spring Quarter.

Prerequisite English 81. (Offered in 1921-1922).

110. SPENSER AND HIS AGE.

PROFESSOR GREENLAW. Credit, 1 course.
Prerequisite, English 41 or 42. *Five hours a week.*
Winter Quarter.

112-113. STUDIES IN SEVENTEENTH CENTURY LITERATURE.

PROFESSOR ————————. Credit, 1 course.
Prerequisite, English 45 or an equivalent. *Fall Quarter.*

Special problems in relation to Milton and his contemporaries.

114. STUDIES IN EIGHTEENTH CENTURY LITERATURE.

PROFESSOR DARGAN. Credit, ½ course.
Prerequisite English 47 or English 48. *Spring Quarter.*

Special problems in the history of ideas in the "Enlightenment,"

117. THE ROMANTIC MOVEMENT.

PROFESSOR FOERSTER. Credit, ½ course.
Five hours a week.
Winter Quarter.

A systematic study of the origins and development of the Romantic Movement in England from the mid-Eighteenth Cen-

tury to the death of Scott. It includes consideration of the continental relations of English Romanticism, an analysis of its various elements, and a discussion of the classical and romantic ideals of art as exemplified in poetry and prose.

This course assumes a knowledge of the materials of English 51 but may be taken independently by properly qualified students. (Offered in 1922-1923 and in alternate years).

125-126-127. DRAMATIC THEORY AND PRACTICE.

PROFESSOR KOCH. Credit, 3 courses.
Five hours a week.
Fall, Winter and Spring Quarters.

The purpose of this course is two-fold: to study the development of dramatic technique; and to give to Graduate students an opportunity for advanced work in dramatic composition. The growth of dramatic theory and practice is treated in a comparative study of the Classical, Medieval, Italian Renaissance, Spanish, Elizabethan, French, and Modern dramatic criticism. Attention will be given to the relation of the dramatic practice to the social conditions and to the theatre. The Carolina Playmakers furnish a working laboratory in production for plays written in this course.

131. SEMINAR: METHODS.

PROFESSOR T. S. GRAVES, CHAIRMAN. Credit, ½ course.
Fall Quarter.

The principles and method of the higher study of English, with a series of simple problems in bibliography and literary history.

132. SEMINAR: LITERARY CRITICISM.

PROFESSOR FOERSTER. Credit, 1 course.
Prerequisite, English 78, ordinarily also 131. *Winter Quarter.*

A critical study of a single writer in the light of the results attained in English 78. (Offered in 1921-1922 and in alternate years).

133. SEMINAR: THE TEACHING OF ENGLISH.

PROFESSOR ROYSTER and others. Credit, ½ course.
Spring Quarter.

A study of the method and content of the English course in high schools and elementary college courses.

141. SEMINAR.

Research in a special field under the direction of a member of the department.

DEPARTMENT OF GEOLOGY

COLLIER COBB, A.M., Sc.D., *Professor of Geology and Mineralogy.*
JOSEPH HYDE PRATT, Ph.D., *State Geologist, Professor of Economic Geology.*
WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*
JOHN HOGDON BRADLEY, JR., A.M., *Instructor in Paleontology.*

Teaching Fellows in Geology, 1921-1922

HENRY SPURGEON BOYCE, A.B.
BURGIN EDISON LOHR, A.B.

Assistants in Geology, 1921-1922

CHARLES WORTH FOWLER.
THOMAS GLENN MURDOCK.
HENRY HARRISON BULLOCK.
EDWARD JOHNSTON ALEXANDER.
ROBERT E. LEE CARSON.

(For description of Geological Laboratories, see page 47.)

Courses for Undergraduates

1-2. INTRODUCTION TO GEOLOGY.

PROFESSOR COBB and MESSRS. BRADLEY and LOHR. and Assistants.	Credit, 2 courses. *Five hours a week.* *Fall and Winter Quarters.*
Sophomore, Junior and Senior elective.	*Laboratory fee, $3.00 a quarter.* *Geology 1 repeated in Spring Quarter.*

Lectures with laboratory and field work; laboratory work in the first quarter on common minerals and rocks, and map interpretation; in the second quarter on geological folios and the more common fossils. The first quarter deals with physical geology, with physiographic processes and their results; the second quarter is a study of the outlines of historical geology.

3-4. MINERALOGY.

MR. BRADLEY.

Junior and Senior elective. Credit, 2 courses.
Prerequisites, Geology 1-2, and Chemistry, 1-2. *Five hours a week. Fall and Winter Quarters. Laboratory fee, $5.00 a quarter.*

Crystallography, physical and chemical properties of minerals, blow-pipe analysis; lectures, laboratory work and field work.

5-6. For description of Course 5-6, see School of Commerce.

7. PRINCIPLES OF GEOLOGY.

PROFESSOR COBB and Assistant. Credit, 1 course. *Five hours a week.*
Junior and Senior elective. *Fall Quarter.*
Prerequisite, Geology 1-2. *Laboratory fee, $3.00.*

Principles of Geology, including History of Geological Science; Lectures, field work and library work, with reports; including a report on the surficial geology of a selected area at a distance from Chapel Hill.

21-22. INDUSTRIAL AND COMMERCIAL GEOGRAPHY.

PROFESSOR COBB and Assistant. Credit, 2 courses. *Five hours a week.*
Senior elective. *Fall and Winter Quarters. Laboratory fee, $2.50 a quarter.*

Lectures, library work and laboratory work. The course deals with man's interaction with his varying environment in the development of industries, and with the geographic conditions of different countries as giving rise to commerce.

25. ADVANCED WORK IN PHYSIOGRAPHY.

PROFESSOR COBB. Credit, ½ course.
Prerequisite, Geology 1-2. *Three hours a week.*
Junior and Senior elective. *Spring Quarter. Laboratory fee, $2.00.*

Lectures, field work and laboratory work, dealing in detail with physiographic processes and their results, geomorphology. An extended field study is required in this course.

8-9. FIELD GEOLOGY AND STRATIGRAPHY.

PROFESSOR PROUTY and Assistants.
Prerequisite, Geology 1-2.

Credit, 2 courses.
Five hours a week.
Fall and Winter Quarters.
Laboratory fee, $3.50 a quarter.

Lectures, with laboratory, field work, and conferences. The first quarter deals with field and structural geology; the second quarter with stratigraphy, palaeontology and historical geology.

10. OIL GEOLOGY.

PROFESSOR PROUTY.
Prerequisite, Geology, 8-9.

Credit, 1 course.
Five hours a week.
Spring Quarter.
Laboratory fee, $3.50.

Lectures, laboratory work and reports. A study of the origin, distribution and accumulation of petroleum, with special relation to the oil fields of North America; methods of prospecting for oil, recovery of oil, and valuation of oil properties.

11-12. ECONOMIC GEOLOGY.

PROFESSOR PROUTY.
Perequisites, Geology, 1-2, 3-4, and Chemistry, 1-2.

Credit, 2 courses.
Fall and Winter Quarter.
Laboratory fee, $3.50 *a quarter.*
Five hours a week.

Lectures, Laboratory work and reports. During the Fall Quarter the non-metallic minerals will be studied. The metallic minerals will be considered in the Winter Quarter.

13. PETROLOGY.

PROFESSOR PROUTY and Assistant.
Prerequisites, Geology 1-2, 3-4, and Chemistry 1-2.

Credit, ½ course.
Three times a week.
Winter Quarter.
Laboratory fee, $3.50.

Laboratory work on rocks; a study of the origin, classification and distribution of rocks.

14. PETROGRAPHY.

PROFESSOR PROUTY.
Prerequisites, Geology 1-2, 3-4, and Chemistry 1-2.

Credit, ½ course.
Three times a week.
Spring Quarter.
Laboratory fee, $3.50.

Lectures, laboratory work on the microscopic physiography of

the rock-forming minerals; optical mineralogy and the theory of light as applied to the polarizing microscope; minerals as observed in thin rock sections.

15. PALEONTOLOGY.

MR. BRADLEY. Credit, 1 course.
Prerequisite, Geology 1-2. *Five times a week.*
Winter Quarter.
Laboratory fee, $3.50.

18-19-20. ENGINEERING GEOLOGY.

PROFESSOR PROUTY. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.
Laboratory fee, $3.50 *a quarter.*

23-24. ORIGIN AND NATURE OF SOILS.

PROFESSOR COBB and Assistants. Credit, 2 courses.
Five hours a week.
Prerequisites, Geology 1-2, 3-4, Chemistry 1-2. *Winter and Spring Quarters.*
Laboratory fee $2.50 a quarter

Lectures, field work, laboratory work and theses. The course is given primarily for men who wish to enter the State or Federal Soil Surveys or to engage in farming. Students in this course are expected to keep Saturday open for field work.

31. MINERALOGY FOR ENGINEERS.

MR. BRADLEY. Credit, ½ course.
Three hours a week.
Spring Quarter.

42. ADVANCED WORK IN MINERALOGY.

PROFESSOR PRATT. Credit, ½ course.
Prerequisites, Geology 3-4, 11-12. *Three hours a week.*
Spring Quarter.

43. ADVANCED COURSE IN MINERAL AND ORE DEPOSITS.

PROFESSOR PRATT. Credit, ½ course.
Prerequisite, Geology 42. *Three hours a week.*
Winter Quarter.

Lectures, supplemented by laboratory and field work.

51-52-53. ADVANCED FIELD WORK AND SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY.

PROFESSORS COBB and PROUTY and Assistants. Credit, 3 courses. *Five hours a week. Fall, Winter and Spring Quarters.*

Problems and work adapted to the special needs of the student. For Graduates and for specially prepared Seniors. Students in this course are expected to keep Saturday open for field work.

Courses Primarily for Graduates

104-105-106. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY.

PROFESSORS COBB AND PROUTY. Credit, 3 courses. *Fall, Winter and Spring Quarters.*

The student is expected to devote six weeks to work in the field, accompanied by the instructor, and to work up his results during the first quarter of the college year. The entire research constitutes three courses.

107-108-109. SPECIAL RESEARCH.

Credit, 3 courses. *Fall, Winter and Spring Quarters.*

Special Research in economic geology, in historical geology, or in petrology and petrography, two quarters of which must be taken as a seminar course.

The Geological Seminar meets fortnightly for the review and discussion of current geological literature, and for the presentation of original papers.

DEPARTMENT OF GERMANIC LANGUAGES

WALTER DALLAM TOY, M.A., *Professor of the Germanic Languages and Literatures.*

KENT JAMES BROWN, Ph.D., *Associate Professor of German.*

ALBERT BACHMANN, Ph.D., *Instructor in German.*

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSOR TOY AND DR. BACHMANN. Credit, 2 courses. *Five hours a week. Fall, Winter and Spring Quarters.*

Grammar; written and oral exercises; translation; sight reading. This course may be counted for credit towards the degree by those only who have fulfilled the entrance requirement in two other foreign languages, and provided it is followed by German 3-4.

3-4. INTERMEDIATE COURSE.

PROFESSOR BROWN and DR. BACHMANN.	Credit, 2 courses. *Five hours a week.*
Freshman and Sophomore elective.	*Fall, Winter and Spring Quarters.*

Prerequisite, German 1-2.

Translation, sight reading, composition, grammar, oral exercises.

11. INTERMEDIATE COURSE.

PROFESSOR BROWN.	Credit, 1 course.
Junior and Senior elective.	*Five hours a week.*
Prerequisite, German 3-4.	**Spring Quarter.*

Practice in writing and speaking German.

21. ADVANCED COURSE.

PROFESSOR TOY.	Credit, 1 course.
Sophomore, Junior and Senior elective.	*Five hours a week.* *Fall or Winter Quarter.*

Prerequisite, German 3-4.

Lessing: Minna von Barnhelm; Schiller: Die Jungfrau von Orleans.

22. ADVANCED COURSE.

PROFESSOR TOY.	Credit, 1 course.
Sophomore, Junior and Senior elective.	*Five hours a week.* *Winter or Spring Quarter.*

Prerequisite, German 3-4.

Schiller: Wilhelm Tell; Gœthe: Iphigenie auf Tauris, or Egmont.

In Courses 21 and 22 is made a careful review of German pronunciation and of the grammar, for the benefit of those who are preparing to teach German.

23. ROMANTICISM IN GERMANY.

PROFESSOR TOY.	Credit, 1 course.
Sophomore, Junior and Senior elective.	*Five hours a week.* *Spring Quarter.*

Prerequisite, German 3-4.

Lectures, reading of selected texts.

Conrses 21-22, 23, 25-26, are parallel in grade. They present an introduction to the study of German literature.

25-26. GERMAN LITERATURE IN THE NINETEENTH CENTURY SINCE GOETHE'S DEATH.

PROFESSOR BROWN. Credit, 2 courses.
Sophomore, Junior and Senior elective. *Five hours a week.*
Prerequisite, German 3-4. *Fall and Winter or Winter and Spring Quarters.*
Lectures and reading of representative works.

Courses for Graduates and Advanced Undergraduates

41-42. GOETHE'S LIFE AND WORKS.

PROFESSOR BROWN. Credit, 2 courses.
Prerequisite, German 21, or 22, or 23, or 25-26. *Five hours a week.* **Two Quarters.*
Lectures, reading, reports. Gœtz von Berlichingen, Werthers Leiden, Tasso, Gedichte, Hermann und Dorothea, Dichtung und Wahrheit. References: Scherer's and Francke's histories of German literature. English and German works on Gœthe's life. This course may be elected only after consultation with the instructor.

43-44. GOETHE'S FAUST.

PROFESSOR TOY. Credit, 2 courses.
Prerequisites, German 21, or 22, or 23, or 25-26. *Five hours a week.* **Two Quarters.*
Gœthe: Faust, Parts I and II. This course may be elected only after consultation with the instructor.

45. KLEIST AND HEBBEL.

PROFESSOR BROWN. Credit, 1 course.
Prerequisites, German, 21, or 22, or 23, or 25-26. *Five hours a week.* **One Quarter.*
Reading and interpretation of selected dramas; lectures and reports. This course may be elected only after consultation with the instructor.

Courses Primarily for Graduates

101. GOTHIC.

PROFESSOR TOY. Credit, 1 course.
Prerequisites, German 21, or 22, or 23, or 25-26. *Five hours a week.* **One Quarter.*
Braune's *Gotische Grammatik;* selected parts of Paul's *Grundriss der Germanischen Philologie.* Introduction to Germanic Philology.

* NOTE.—Courses 11, 41-42, 43-44, 45, 101, 103, 107, will be given, if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small.

103. OLD HIGH GERMAN.

PROFESSOR TOY. Credit, 1 course.
Prerequisites, German 21, or 22, or 23, or 25-26. *Five hours a week.* **One Quarter.*

Braune's *Althochdeutsche Grammatik;* Braune's *Althochdeutsches Lesebuch.*

107. MIDDLE HIGH GERMAN.

PROFESSOR BROWN. Credit, 1 course.
Prerequisites, German 21, or 22, or 23, or 25-26. *Five hours a week.* **One Quarter.*

Middle High German grammar. Wide reading.

A certificate is granted to a student who has completed with credit any eight courses exclusive of Course 1-2.

DEPARTMENT OF GREEK

WILLIAM STANLY BERNARD, A.M., *Professor of Greek.*

Courses for Undergraduates

1-2. BEGINNERS GREEK.

PROFESSOR BERNARD. Credit, 2 courses.
Five hours a week.
Fall and Winter Quarters.

A course for students who have had no opportunity of studying Greek in the preparatory schools. This course may be counted for credit towards the degree by those who have fulfilled the entrance requirements in two other foreign languages, and provided it is followed by Greek 3-4.

3-4. INTERMEDIATE GREEK.

PROFESSOR BERNARD. Credit, 2 courses.
Freshman elective. *Five hours a week.*
Prerequisite, Greek 1-2. *Fall and Winter Quarters.*

(1) Greek prose. A course continuing Greek 1-2. Xenophon, *Anabasis, Symposium;* Lycias, *Selected Speeches;* (2) Homer *Iliad,* Books I, II, III, and Odyssey, Book VI.

Students who desire to take any of these courses are advised to confer in advance with the instructors concerned.

* NOTE.—Courses 11, 41-42, 43-44, 45, 101, 103, 107, will be given, if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small.

5. PLATO.

PROFESSOR BERNARD. Credit, 1 course.
Sophomore elective. *Five hours a week.*
Prerequisite, Greek 3-4. *Spring Quarter, on application.*
Apology and Crito with selections from the other Socratic dialogues. Lectures on Greek life, politics, religion and literature.

6. DRAMA.

PROFESSOR BERNARD. Credit, 1 course.
Sophomore elective. *Five hours a week.*
Prerequisite, Greek 3-4. *Spring Quarter, on application.*
Euripides, Alcestis; Aristophanes, Frogs. Lectures on the drama.

11. HOMER.

PROFESSOR BERNARD. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Spring Quarter, on application
Prerequisite, Greek 3-4.
Rapid Reading of entire Odyssey with Homeric Study.

Courses for Graduates and Advanced Undergraduates.

21-22. GREEK DRAMA.

PROFESSOR BERNARD. Credit, 2 courses.
Prerequisite, Greek 6. *Five hours a week.*
Two Quarters.
An extended reading and study of the Greek drama with lectures on the origin, history and structure of the drama.

23-24-25 GREEK DRAMA IN ENGLISH TRANSLATION.

PROFESSOR BERNARD. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.
A course designed to embrace the origin, development, technique and content of the entire Greek drama, with emphasis on the tragedy as one interpretation of Greek life and thought as a contribution to world progress.

43-44 THE GREEK NEW TESTAMENT.

PROFESSOR BERNARD. Credit, 2 courses.
Prerequisite, Greek 3-4. *Five hours a week.*
Two quarters on application.
The Acts of the Apostles, study of grammar and diction, com-

parison with English versions; the Gospels, with selections from the Epistles; the principles of textual criticism; sources and history of the Greek text and the versions.

61-62. CLASSICAL ART.

Professor Bernard. Credit, 2 courses.
Five hours a week.
Two Quarters.

History and Principles of Greek and Roman architecture, sculpture, painting, with some account of the minor arts. Lectures with prescribed reading.

Courses Primarily for Graduates

101. SEMINAR.

Professor Bernard.

The critical study of an author or period. This study will be directed to the solution of one of the numerous syntactical problems of the language of the New Testament.

DEPARTMENT OF HISTORY AND GOVERNMENT

Joseph Gregoire de Roulhac Hamilton, Ph.D., *Kenan Professor of History and Government.*

Henry McGilbert Wagstaff, Ph.D., *Professor of History.*

William Whatley Pierson, Jr., Ph.D., *Professor of History and Government.*

Robert Diggs Wimberly Connor, A.B., *Kenan Professor of History and Government.*

Frank Porter Graham, A.M., *Associate Professor of History.*

Wallace E. Caldwell, Ph.D., *Associate Professor of History.*

Francis Rosebro Flournoy, A.M., *Assistant Professor of History.*

Teaching Fellows History, 1921-1922

Fletcher Melvin Green, Ph.B.

Tyre Crumpler Taylor, A.B.

Miles Hoffman Wolff, A.B.

History

Courses for Undergraduates

1-2. FOUNDATIONS OF MODERN HISTORY.

PROFESSORS HAMILTON, PIERSON, CONNOR, GRAHAM and FLOURNOY. Credit, 2 courses.
Five hours a week.
Fall and Winter and Winter and Spring Quarters.

Required of all Freshmen.

A general course dealing with the fundamental factors in modern civilization in Europe and the United States. The emphasis of the course will rest upon the commercial revolution, European expansion, the Protestant Revolt, colonial and dynastic rivalry, the Old Regime, the French Revolution, the industrial revolution, the rise of democracy, the influences, the growth of modern imperialism, and the course of modern international relations. Lectures, text-books and readings.

3-4. ENGLISH HISTORY.

PROFESSOR FLOURNOY. Credit, 2 courses.
Sophomore, Junior and Senior elective. *Five hours a week.*
Fall and Winter Quarters.

The purpose of this course is to convey a good working knowledge of English history and broaden it into a survey of the part the Anglo-Saxon race has played in world history. Text-book, readings, and lectures.

7-8. AMERICAN HISTORY.

PROFESSOR GRAHAM. Credit, 2 courses.
Sophomore, Junior and Senior elective. *Five hours a week.*
Fall and Winter Quarters.

A general survey of the history of the United States: European background, discovery and explanation, colonization, revolution, independence, federation, western expansion, democracy, slavery, civil war, reconstruction, business and politics, progressive movement, and world politics. Lectures, text-books, and readings.

9. HISPANIC-AMERICAN HISTORY. The Colonial Period and the Wars of Independence.
Independence.

PROFESSOR PIERSON. Credit, 1 course.
Sophomore, Junior, and Senior elective. *Five hours a week.*
Fall Quarter.

In this quarter a general survey will be made of Spanish and

Portuguese American from the establishment of colonial settlements through the wars of independence. A study of the transplantation of Hispanic civilization in language, customs, religion, trade, and political institutions; Indian relations; labor and social conditions; education and industry; the causes and events of the struggles for independence. Lectures and readings.

10. HISPANIC-AMERICAN HISTORY: Development of Nationality in South America.

PROFESSOR PIERSON. Credit, 1 course.
Sophomore, Junior, and Senior elective. *Five hours a week.* *Winter Quarter.*

The modern history of Argentina, Brazil, Chile, Uruguay, Paraguay, Peru, Bolivia, and Ecuador. Attention will be directed to the establishment of these republics, the evolution of their political theory, the struggle for political stability, the exploitation of resources, the diplomatic and commercial relations with the United States and Europe, the international problems of South America, the contemporary progress in politics and society. Lectures and readings.

11. HISPANIC-CARIBBEAN AMERICAN HISTORY: Hispanic North American and the Caribbean Countries.

PROFESSOR PIERSON. Credit, 1 course.
Sophomore, Junior, and Senior elective. *Five hours a week.* *Winter Quarter.*

Emphasis in this course will be placed upon the same general factors as in History 10. The diplomatic and commercial relations of the United States and Mexico, the insular republics, the Central American countries, and Colombia, Panama, and Venezuela will receive special attention. Lectures and readings.

Courses for Graduates and Advanced Undergraduates

12. MEDIAEVAL EUROPE.

PROFESSOR HAMILTON. Credit, 1 course.
Five hours a week.
Fall Quarter.

A brief general course dealing with the thought and institutions of Europe from the decline of the Roman Empire to the rise of national states. Text-books, readings and lectures.

14. MODERN EUROPE.

PROFESSOR FLOURNOY. Credit, 1 course.
Five hours a week.
Spring Quarter.

A study of modern and contemporary Europe from the angle of the primary forces that shaped the life of European nations during the past hundred and fifty years. Text-book, readings, and lectures.

15-16. ANCIENT HISTORY.

PROFESSOR CALDWELL. Credit, 2 courses.
Junior and Senior elective. *Five hours a week.*
Winter and Spring Quarters.

A course dealing with the history of the Orient, Greece, and Rome to the time of Constantine. Particular attention will be paid to social and economic conditions, and cultural and religious developments.

17. HISTORY OF NORTH CAROLINA.

PROFESSOR CONNOR. Credit, 1 course.
Five hours a week.
Fall Quarter.

General survey of colonization and territorial growth; colonial institutions; intercolonial and imperial relations, revolution and independence; constitutional and institutional development; Federal relations; civil war and reconstruction; recent political, economic, and educational developments. Lectures and readings.

22. THE PROTESTANT REVOLT.

PROFESSOR PIERSON. Credit, 1 course.
Five hours a week.
Spring Quarter.

A study of the religious, intellectual, political, and economic aspects of the Protestant Revolt, with detailed consideration of: the sixteenth century organization and criticism of the Catholic Church; the religion and dogmas of Luther, Zwingli, Calvin, Knox, and Cranmer; the influence of nationalism and absolutism on the revolution; the Catholic counter-reformation; and the establishment of state churches.
(To be omitted in 1922-1923.)

23. THE FRENCH REVOLUTION AND THE NAPOLEONIC PERIOD.

PROFESSOR PIERSON. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Spring Quarter.

A course which deals with the causes—political, intellectual, social, and economic—events and results of the French Revolution. Lectures, text-books, and readings.

27. COLONIAL AMERICAN HISTORY.

PROFESSOR. CONNOR. Credit, 1 course.
Five hours a week.
Winter Quarter.

A general survey of the history of Colonial America: European expansion; discoveries, explorations and colonization; race elements; institutions: social, economic and political development; imperial relations; revolution and independence. Text-book, lectures and readings.

28. THE FEDERAL PERIOD.

PROFESSOR GRAHAM. Credit, 1 course.
Five hours a week.
Winter Quarter.

American History through the period 1789-1860. A general survey of the period from the formation of the Constitution to the Civil War in which an intensive study is made of the conflict in opinion respecting the nature of the Union, Jacksonian democracy. The Westward Movement, and the controversy over slavery. Text-books, readings, and lectures.

29. CIVIL WAR AND RECONSTRUCTION.

PROFESSOR HAMILTON. Credit, 1 course.
Five hours a week.
Spring Quarter.

A course dealing with the more important constitutional, political and economic phases of the period from 1861 to 1876. Lectures, readings and reports.

30. CONTEMPORARY AMERICAN HISTORY.

PROFESSOR PIERSON. Credit, 1 course.
Five hours a week.
Spring Quarter.

A general course dealing with the political, economic, and social history of the United States from 1876 to the beginning

of the World War, with detailed consideration of: the influences of the Civil War and Reconstruction upon subsequent American history; the war amendments in theory and practice; business and politics; the Granger movement; the currency question; the tariff; the trusts; relations of capital and labor; the foreign relations of the United States; the Spanish-American War and its results; the progressive movement in American politics. Lectures, text-books, and readings.

31. GREEK HISTORY.
PROFESSOR CALDWELL.
(To be omitted in 1922-1923.)

33. ROMAN HISTORY.
PROFESSOR CALDWELL. Credit, 1 course.
Five hours a week.
Fall Quarter.

An advanced course in the history of Rome with attention chiefly directed to institutional growth, historical problems, and source study. This course alternates with Course 31.

Courses Primarily for Graduates

100-101-102. NORTH CAROLINA HISTORY.
PROFESSOR CONNOR. Credit, 1½ courses.
One hour a week.
Fall, Winter and Spring Quarters.

A seminar course on the social, economic and political history of the State of North Carolina. The course continues throughout the year, a weekly conference being held for the presentation of reports and discussion.

103-104-105. INTER-AMERICAN RELATIONS.
PROFESSOR PIERSON. Credit, 1½ courses.
Prerequisite, History, 9-10. *One hour a week.*
Fall, Winter and Spring Quarters.

A research course concerned with the diplomatic relations of the United States and the Hispanic-American countries. Some particular aspect will be selected for investigation. Lectures and reports.
(To be omitted in 1922-1923).

106-107-108. THE JACKSONIAN PERIOD.

PROFESSOR HAMILTON. Credit, 1½ courses.
One hour a week.
Fall, Winter and Spring Quarters.

A seminar course in the political history of the period from the Era of Good Feeling to the Mexican War.

110-111-112. ANCIENT HISTORY.

PROFESSOR. CALDWELL. Credit, 1½ courses.
One hour a week.
Fall, Winter and Spring Quarters.

A seminar in some phase of Ancient History.

Government

Courses for Undergraduates

1-2. COMPARATIVE GOVERNMENT.

Professor HAMILTON. Credit, 2 courses.
Sophomore, Junior and Senior elective. *Five hours a week.*
Fall and Winter Quarters.

In this course an intensive study will be made of the governmental and social institutions of the leading states of the modern world. The first quarter will be devoted to the treatment of the United States. In the second quarter the chief emphasis will be placed upon Great Britain and France, with outline studies of the institutions of other European countries. Textbooks, lectures, discussions, and readings.

3. GOVERNMENT AND BUSINESS.

PROFESSOR HAMILTON. Credit, ½ course.
Three hours a week.
Spring Quarter.

A brief course dealing with the relations of modern governments to agriculture, industry and commerce. After tracing the historical development of these relations for the past century, the remainder of the course will be devoted to an investigation of the purposes and principles underlying present-day conditions. *Open only to students in the School of Commerce and those receiving a permit from the instructor.*

Courses for Graduates and Advanced Undergraduates

5. THE ELEMENTS OF POLITICAL SCIENCE.

PROFESSOR PIERSON. Credit, 1 course.
Five hours a week.
Winter Quarter.

A general course in which a study is made of the principles of political science and of the important theories respecting the nature, origin, forms, and ends of the state and of government. An examination of the literature of the subject will be made, supplemented by students' reports on selected political theorists. Lectures, text-books, and readings.

8. THE CONSTITUTION OF THE UNITED STATES.
(To be omitted in 1922-1923).

9-10. MODERN MUNICIPAL GOVERNMENT.
(To be omitted in 1922-1923).

11. AMERICAN STATE GOVERNMENT.

PROFESSOR CONNOR. Credit, 1 course.
Five hours a week.
Spring Quarter.

A course dealing with the origins, development, and methods of the state governments. In connection with the course will be a special study of the government of North Carolina.

15-16. CONTEMPORARY PROBLEMS OF CITIZENSHIP.

PROFESSORS HAMILTON, KNIGHT and PIERSON. Credit, 1 course.
Three hours a week.
Winter and Spring Quarters.

A study of the problems of citizenship in their economic, social, political and intellectual aspects. The methods of the course will be a cooperative analysis and discussion of such problems participated in by students and instructors.
(To be omitted in 1922-1923).

Courses Primarily for Graduates

100-101-102. AMERICAN POLITICAL THEORY.

PROFESSOR PIERSON. Credit, 2 courses.
Fall, Winter and Spring Quarters.
Two hours a week.

A seminar course respecting the political philosophy that has been developed in the United States. In the Fall Quarter,

the political theory of the colonial period and the American Revolution will be studied; in the Winter Quarter, attention will be given to the theories associated with the formation of the Constitution and its early interpretation, the nature of of the Union, and the slavery dispute; in the Spring Quarter, the political theory of the Civil War and the contemporary United States will be considered. Lectures, readings and reports.

103-104-105. THE AMERICAN CONSTITUTION.

PROFESSOR WAGSTAFF. Credit, 1½ courses.
One hour a week.
Fall, Winter and Spring Quarters.

An inquiry into the sources of the American Constitution and a study of its application and development under changing conditions of the American people. Research in special topics. Lectures, readings, and reports.
(To be omitted in 1922-1923).

106-107-108. MODERN INTERNATIONAL RELATIONS.

PROFESSOR FLOURNOY. Credit, 2 courses.
Five hours a week, Fall Quarter,
One hour a week.
Winter and Spring Quarters.

A conference course dealing with the history and methods of modern international relations. Special emphasis will be laid upon specified topics, such as modern imperialism, the influence of nationalism, and the movement for international organization. The course is open to Seniors in the Fall Quarter, with a credit of one course.

109. SEMINAR COURSE.

Credit, 1 or 2 courses.

A research course in a special field under the direction of a member of the department.

A certificate is granted to a student who has completed with credit the equivalent of nine courses in History and Government.

DEPARTMENT OF LATIN

GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*

GUSTAVE ADOLPHUS HARRER, Ph.D., *Associate Professor of Latin.*

GEORGE KENNETH GRANT HENRY, Ph.D., *Assistant Professor of Latin.*

HARRY FRANKLIN LATSHAW, A.B. in Ed., *Instructor in Latin.*

Courses for Undergraduates

1-2. READINGS IN ROMAN LITERATURE.

PROFESSORS HOWE, HENRY, HARRER and MR. LATSHAW. Credit, 2 courses. *Five hours a week.*
Freshman elective. *Fall and Winter or Winter and Spring Quarters.*

Course 1 is concerned with the translating of Latin, with work in vocabulary, and with a review of the chief principles of grammar. In Course 2 emphasis is placed on content and literary form.

3. SELECTIONS FROM PLINY AND TACITUS.

PROFESSORS HOWE, HENRY, HARRER and MR. LATSHAW. Credit, 1 course. *Five hours a week.*
Sophomore elective. *Fall or Spring Quarter.*
Prerequisite, Latin 1-2.

The course is concerned with the translating of Latin; but the emphasis is also placed on the literary values of the works read, and on the political and social conditions of the period.

4. ROMAN LAW.

PROFESSOR HARRER. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.*
Winter Quarter.

This course deals with the general principles and the historical development of Roman law. The work will consist of the translation of selected passages in legal literature, readings and lectures. This course is a Sophomore requirement of A.B.-LL.B. students, and is open to other students who have satisfied the prerequisite.

5. ROMAN SATIRE.

PROFESSOR HENRY. Credit, 1 course.
Sophomore elective. *Five hours a week.*
Prerequisite, Latin 1-2. *Winter Quarter.*

Readings from Horace, Petronius, Persius, Juvenal; occasional lectures.

6. CICERO'S LETTERS.

PROFESSOR ————. Credit, 1 course.
Sophomore elective. *Five hours a week.*
Prerequisite, Latin 1-2. *Spring Quarter.*

The reading of selected letters and discussions of the history and politics of the time.

10. LATIN LITERATURE IN ENGLISH TRANSLATION.
PROFESSOR HOWE. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

Lectures and readings. This course is open to students who have no knowledge of the Latin language.

11. TEACHER'S COURSE.
PROFESSOR HENRY. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.* *Fall Quarter.*

Pronunciation, forms, syntax, prosody, the art of translating, methods of instruction.

15. THE BEGINNINGS OF PROSE FICTION.
PROFESSOR ————. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

A study of the origins and development of story-writing in ancient times, with emphasis on the novel. Readings from the Greek Romances, Petronius and Apuleius. Knowledge of Greek and Latin not required.

Courses for Graduates and Advanced Undergraduates

12. ROMAN HISTORICAL LITERATURE.
PROFESSOR HENRY. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.* *Fall Quarter.*

A study of the structure, purposes, and methods of the most significant works. Translation and readings in English from the literature; reports; lectures.

13. ROMAN DRAMATIC LITERATURE.
PROFESSOR HENRY. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.* *Winter Quarter.*

A study of the historical development of Latin comedy and tragedy; reading of selected plays.

14. THE LATIN EPIC.
PROFESSOR HOWE. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Spring Quarter.*

The history of Latin Epic; detailed study of the Æneid.

19. CAESAR.

PROFESSOR HARRER. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.*
Fall Quarter.

The political career and literary works of Caesar will be studied, and selections from the Gallic and Civil Wars will be translated.

30. CICERO'S WORKS.

PROFESSOR HOWE. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.*
Winter Quarter.

A study of Cicero, as statesman and advocate. Selected letters, as well as a number of the orations, will be read.

31. LATIN PROSE LITERATURE.

PROFESSOR HENRY. Credit, 1 course.
Prerequisite, Latin 1-3. *Five hours a week.*
Spring Quarter.

The course is concerned mainly with the study of the epistolary and historical literature; reading of selected letters from Cicero and Pliny, and of passages from Livy, Tacitus, and other historians.

32. THE POETRY OF OVID.

PROFESSOR HOWE. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

Reading in English of the complete works of Ovid, and special critical study of the metamorphoses and of Roman elegy.

(In courses 14, 19, 30, the needs of High School Teachers of these authors are considered.)

A certificate is granted to a student who has completed with credit courses 1, 2, 3, 11, and 3 elective courses.

Courses Primarily for Graduates

101-102-103. LATIN SEMINAR.

PROFESSORS HOWE and HARRER. Credit, 3 courses.
Five hours a week.
Fall, Winter and Spring Quarters.

This course is devoted to the study in detail of particular authors or periods in Roman Literature, the subject matter varying from year to year. It involves wide reading in the

Latin authors and in the critical literature concerning them, with oral and written reports by the student. Lectures and conferences. For the year 1922-1923: Fall Quarter, Cicero (Professor HOWE); Winter Quarter, Roman Elegiac Poets, (Professor HOWE); Spring Quarter, Tacitus (Professor HARRER).

104. LATIN EPIGRAPHY.

PROFESSOR HARRER. Credit, 1 course.
Five hours a week.
Fall Quarter.

The aim of the course is to acquire facility in the deciphering and translating of inscriptions, to study in detail a selection of significant inscriptions and their value in the field of Roman studies.

105. LATIN PALEOGRAPHY.

PROFESSOR HARRER. Credit, 1 course.
Five hours a week.
Winter Quarter.

The course will include a study of the more important scripts, practice in decipherment, and the methods of textual criticism.

DEPARTMENT OF MATHEMATICS

ARCHIBALD HENDERSON, Ph.D., D.C.L., *Professor of Mathematics.*

JOHN WAYNE LASLEY, JR., Ph.D., *Associate Professor of Pure Mathematics.*

ALLAN WILSON HOBBS, Ph.D., *Associate Professor of Applied Mathematics.*

ARTHUR SIMEON WINSOR, A.M., *Assistant Professor of Mathematics.*

ERNEST LLOYD MACKIE, A.M., *Assistant Professor of Mathematics.*

JOE BURTON LINKER, A.M., *Instructor in Mathematics.*

JAMES BLAINE DAVIS, A.B., *Instructor in Mathematics.*

HERMAN GLENN BAITY, A.B., *Instructor in Mathematics.*

MICHAEL ARENDELL HILL, JR., A.B., *Instructor in Mathematics.*

FRANK ROBBINS BACON, *Assistant in Mathematics.*

Courses for Undergraduates

1. COLLEGE ALGEBRA. Credit, 1 course.
MESSRS. HENDERSON, LASLEY, MACKIE, LINKER, DAVIS, BAITY, HILL and BACON. *Five hours a week. Every Quarter.*
Required of Freshmen.

A general course dealing with exponents, quadratic equations, surds, imaginaries, progressions, binomial theorem, permutations, and combinations, determinants, graphical methods, transformations, Horner's method of approximation.

2. TRIGONOMETRY.
MESSRS. HENDERSON, LASLEY, MACKIE, LINKER, DAVIS, BAITY, HILL and BACON. Credit, 1 course. *Five hours a week. Every Quarter.*

A general course dealing with trigonometric functions, unit circle, radian measure, identities, equations, angle sum and difference formulas with special attention to the solution of triangles, right and oblique, plane and spherical.

3. ANALYTIC GEOMETRY.
PROFESSOR LASLEY. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week. Fall and Spring Quarters.*
Prerequisites, Mathematics 3.

A course in the fundamentals of analytic geometry, the straight line, circle, parabola, ellipse, hyperbola, higher plane curves, transformations of coordinates, geometry of space.

1E-2E-3E. UNIFIED MATHEMATICS FOR ENGINEERS.
PROFESSORS HOBBS and WINSOR. Credit, 1 course each. *Fall, Winter and Spring Quarters*
Required of Freshmen in engineering courses. *Six hours a week.*

This course is designed for engineering students and deals in order with college algebra, trigonometry and analytic geometry. The fundamental purpose of this course is so to coordinate these subjects as to train students to handle readily practical problems in engineering.

4. DIFFERENTIAL CALCULUS.

PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 1 and 2. *Five hours a week.* *Winter Quarter.*

A study of the differentiation process and its application to geometry, physics and mechanics, including the notions of curvature, partial differentiation, envelopes, series, expansion of functions, etc.

5. INTEGRAL CALCULUS.

PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 4. *Five hours a week.* *Spring Quarter.*

This course centers around the idea of the definite integral, considering in detail problems arising in geometry and the physical sciences, including length of curves, areas, volumes, moment of inertia, etc.

4E-5E-6E. CALCULUS FOR ENGINEERING STUDENTS.

PROFESSORS HOBBS and WINSOR. Credit. 1 course each. *Six hours a week.*
Prerequisite, Mathematics 3 or 3E. *Fall. Winter and Spring Quarters*

The first quarter is devoted to a study of the derivative and its applications to geometry and mechanics, expansion of functions, partial differentiation; the second deals chiefly with the definite integral and its applications; the third consists of engineering problems involving calculus, together with an elementary treatment of differential equations.

6. ADVANCED EUCLIDEAN GEOMETRY.

PROFESSOR WINSOR. Credit, 1 course.
Prerequisite, Mathematics 5. *Five hours a week.* *Fall Quarter.*

The geometry of the triangle and circle, inversion, poles and polars.

7. ADVANCED ALGEBRA.

PROFESSOR MACKIE. Credit, 1 course.
Prerequisite, Mathematics 5. *Five hours a week.* *Fall Quarter.*

This course takes up in a systematic manner the groundwork

of algebra, followed by complex numbers, graphical methods, limits and series and an entended treatment of determinants.

10. DIFFERENTIAL EQUATIONS.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 5. *Five hours a week.*
Fall quarter.

This is a course both for students intending to specialize in mathematics and for students in advanced engineering, civil, electrical and chemical Among the subjects treated are singular solutions, applications to mechanics, geometry and physics, linear equations with both constant and variable coefficients, equations involving more than two variables, partial differential equations and spatial forms.

10E. DIFFERENTIAL EQUATIONS FOR ENGINEERING STUDENTS.

PROFESSOR HOBBS. Credit, ½ course.
Prerequisite, Mathematics 5 or 5E. *Three hours a week.*
Spring Quarter.

A short course in differential equations with special emphasis on applications.

12. THEORETICAL MECHANICS.

PROFESSOR HOBBS. Credit, 1 course.
Prerequisite, Mathematics 5 or 5E. *Five hours a week.*
Fall Quarter.

An introductory course in mechanics employing the methods of the calculus.

13. THEORY OF EQUATIONS.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 5. *Five hours a week.*
Winter Quarter.

Indispensable for students intending to prosecute studies in the higher branches of pure mathematics. Such subjects as the solution of equations of higher degrees, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling and evolution of equations.

Courses for Advanced Undergraduates and Graduates

50. THE HISTORY OF MATHEMATICS.
PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 5. *Three hours a week.*
Winter Quarter.

An account of some of the men and events in the history of mathematics. The content of this course is primarily mathematical, the topics being considered in the light of their historical setting.

51. METHODS IN THE TEACHING OF ELEMENTARY MATHEMATICS.
PROFESSOR HENDERSON. Credit, ½ course.
Three hours a week.
Spring Quarter.

Throughout this course stress will be placed upon method, on the basis of given mathematical content. The inherent connection and interrelationship of arithmetic, algebra and geometry will be fully exhibited and illustrated.

52. ELEMENTARY PROJECTIVE GEOMETRY.
PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 5. *Five hours a week.*
Fall Quarter.

The fundamental notions of projective geometry: projection, section perspectivity, etc. Both analytic and geometric methods are employed. Projective correspondence, involution and general projective relations between one dimensional forms are studied.

53. ADVANCED PROJECTIVE GEOMETRY.
PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 52. *Five hours a week.*
Spring Quarter.

General homogeneous coordinates, collineation, correlation, homology, projective correspondence between two dimensional forms are studied. A projection theory of conics is developed, also the notions of line geometry.

54-55. ANALYTIC GEOMETRY OF SPACE.
PROFESSOR HENDERSON. Credit, 2 courses.
Prerequisite, Mathematics 5. *Five hours a week.*
Fall and Winter Quarters.

Treats of the spatial relations from the analytical standpoint.

Deals with quadratic surfaces, envelopes, foci, quadri-planar and tetrahedral coordinates, developable surfaces, curves in space, curvature of surfaces, higher surfaces, etc.

56-57-58 GRAPHICAL ANALYSIS.

PROFESSOR HOBBS. Credit, ½ course.
Prerequisite, Mathematics 5 or equivalent. *Three hours a week.*
Fall, Winter and Spring Quarters.

A study of alignment charts and of equations determined from empirical data, with a brief treatment of the method of least squares in the Spring term.

60. DYNAMICS.

PROFESSOR HOBBS. Credit, 1 course.
Prerequisite, Mathematics 10 and 12. *Five times a week.*
Winter Quarter.

Differential equations of motion, equations of orbits, D'Alembert's principle, motion of a rigid body.

61. VECTOR ANALYSIS.

PROFESSOR HOBBS. Credit, 1 course.
Prerequisite, Mathematics 60. *Five times a week.*
Spring Quarter.

A study of some of the general principles of mechanics in the language of vectors.

62. FOUNDATIONS OF GEOMETRY.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 5 and 52. *Five hours a week.*
Not given 1922-'23.

A course designed to meet the needs of students experienced in mathematical thinking. A survey of the contributions of Pasch, Peano, Hilbert and their school to our knowledge of the foundations of geometry, a study of the axioms, of systems of geometry, etc.

63. ADVANCED CALCULUS.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 5. *Five hours a week.*
Not given 1922-'23.

This course completes and rounds out the subject as given in Mathematics 5. Rigor in demonstration is insisted upon.

The course will be designed to meet the particular needs of the class—for example, largely a problem course, or a special study of functions of a complex variable, elliptic functions, etc. A thorough knowledge of the calculus is aimed at in this course.

Courses Primarily for Graduates

100. THEORY OF FUNCTIONS OF A REAL VARIABLE.
PROFESSOR MACKIE. Credit, 1 course.
Prerequisite, Mathematics 10 and 13. *Five hours a week.* *Fall Quarter.*
The real number system, elementary properties of point sets, variables and functions, series of functions, implicit functions, theory of definite integrals.

101. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE.
PROFESSOR MACKIE. Credit, 1 course.
Prerequisite, Mathematics 100. *Five hours a week.* *Winter Quarter.*
Complex numbers, differentiation and integration, conformal mapping, linear fractional transformations, single and multiple valued functions.

102. HIGHER PLANE CURVES.
PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 10. *Five hours a week.* *Not given* 1922-'23.
A course dealing with plane curves, particularly conics, cubics and quartics: polarity, Pluecker formulae, curves of Hesse, Steiner and Cayley, classification of cubics, intersections of curves, singularities of curves, unicursal curves.

103. LIE THEORY OF DIFFERENTIAL EQUATIONS.
PROFESSOR HOBBS. Credit, 1 course.
Prerequisite, Mathematics 10. *Five hours a week.* *Not given* 1922-'23.
A study of differential equations from the point of view of continuous groups.

104. THEORY OF NUMBERS.
PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 10. *Five hours a week.* *Not given* 1922-'23.
This course deals with the study of numbers in general. Modern developments of the study are closely followed. Concerns itself with the various types of numbers, powers, quadratic forms, transformations, etc.

105. DIFFERENTIAL GEOMETRY.

PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 10 and 54. *Five hours a week.* *Not given* 1922-'23.

A study of the metric differential geometry of curves, surfaces, and curves on surfaces, systems of curves defined by differential equations, surfaces given by two quadratic differential forms.

106. INTRODUCTION TO THE THEORY OF RELATIVITY.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 5 and 12. *Five hours a week.* *Spring Quarter.*

In this course the essential features of the special and the general relativity theories of Einstein are set forth from the mathematical point of view. Particular study is made of the Lorentz transformation, the theory of tensors, and the absolute differential calculus.

107. INTRODUCTION TO THE THEORY OF FINITE GROUPS.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 13 *Five hours a week.* *Not given* 1922-'23.

Deals with the theory of substitutions in general, and as applied to the algebraic equation. Simple and compound groups, transitivity and primitivity. Cyclic and linear groups, linear fractional substitutions, etc. Numerous applications in algebra and geometry.

108. MODERN HIGHER ALGEBRA.

PROFESSOR WINSOR. Credit, 1 course.
Prerequisite, Mathematics 7. *Five hours a week.* *Spring Quarter.*

Polynomials and their fundamental properties, determinants, theory of linear dependence. linear equations, matrices, invariants, bilinear and quadratic forms.

109. ELEMENTS OF NON-EUCLIDEAN GEOMETRY.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 52. *Five hours a week.* *Not given* 1922-'23.

The subject is treated chronologically. The contributions of Bolyai, Lobachewsky, Riemann, Cayley, Klein are studied, analysed and compared.

DEPARTMENT OF MUSIC

PAUL JOHN WEAVER, B.A., A.A.G.O., *Professor of Music.*
THOMAS HOFFMAN HAMILTON, *Instructor in Music.*
CARL WIEGAND, *Instructor in Music.*

Courses for Undergraduates

2. APPRECIATION OF MUSIC.

PROFESSOR WEAVER. Credit, ½ course.
Three hours a week.
Fall or Spring Quarter.

An illustrated course primarily for students who have had little or no musical training.

7-8-9. SIGHT-SINGING AND EAR-TRAINING.

PROFESSOR WEAVER and MR. HAMILTON. Credit, 3 courses.
Five hours a week.
Fall, Winter and Spring Quarters.

A course in the reading of music notaton, from the standpoint of both eye and ear. No prerequisites or previous training are necessary for number 7; students will be admitted to number 8 at the beginning of the winter quarter or number 9 at the beginning of the spring quarter, who have had the equivalent of the work covered in the course up to that point. Students registered for this course who become members of the University Glee Club will be allowed to count their club rehearsal time as the outside practice and preparation for this course.

10-11-12. HISTORY OF MUSIC.

PROFESSOR WEAVER. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

A study of the historical development of music. The work of each term is separate from that of the other terms, and students may enter the course at the beginning of any term.

20-21-22. HARMONY.

PROFESSOR WEAVER. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

A beginner's course in elementary harmony. Prerequisite, ability to read music notation.

23-24. ORCHESTRATION.

PROFESSOR WEAVER and MR. WIEGAND. Credit, 2 courses. *Five hours a week. Winter and Spring Quarters.*

A course in the study of the principles and practice of instrumentation for band and orchestra, preceded by a review of harmonic principles. Orchestra and band music will be heard, analyzed and studied, and music will be arranged for orchestra and band. Students registered for this course who become members of the University Band or the University Orchestra will be allowed to count their Band or Orchestra rehearsal time as the outside practice and preparation for this course.

Special Courses

A. INDIVIDUAL INSTRUCTION IN PIANO.

MR. HAMILTON. No credit. *Fee*, $1.00 *a lesson.*

One or more individual instruction periods per week, hour to be arranged with the instructor. Registration should be made with the instructor, not with the University Registrar.

B. INDIVIDUAL INSTRUCTION IN VOICE.

MR. HAMILTON. No credit. *Fee*, $1.00 *a lesson.*

One or more individual instruction periods per week, hour to be arranged with the instructor. Registration should be made with the instructor, not with the University Registrar.

C. INDIVIDUAL INSTRUCTION IN VIOLIN.

MR. WIEGAND. No credit. *Fee*, $1.00 *a lesson.*

One or more individual instruction periods per week, hour to be arranged with the instructor. Registration should be made with the instructor, not with the University Registrar.

NOTE: The following regulations govern individual instruction in music; courses A, B, and C.

1. After registration with the instructor, fees for the term must be paid to the University Bursar and receipt for such fees must be returned to the instructor before the first lesson period.

2. Regularly assigned lessons missed by the student without previous arrangement with the instructor are not to be

made up or refunded for, except with the permission of the head of the department.

DEPARTMENT OF PHILOSOPHY

HENRY HORACE WILLIAMS, A.M., B.D., *Professor of Philosophy.*

Courses for Undergraduates

10-11-12. LOGIC.

PROFESSOR WILLIAMS. Credit, 1½ courses.
Junior and Senior elective. *Three hours a week.*
Fall, Winter and Spring Quarters.

The study of logic in life; lectures, with text-books.

13-14-15. ETHICS.

PROFESSOR WILLIAMS. Credit, 1½ courses.
Junior and Senior elective. *Three hours a week.*
Fall, Winter and Spring Quarters.

Criticisms and discussions.

16-17-18. PHILOSOPHY.

PROFESSOR WILLIAMS. Credit, 1½ courses.
Junior and Senior elective. *Three hours a week.*
Fall, Winter and Spring Quarters.

A study of the forces that shape life; lectures; theses.

Courses for Graduates and Advanced Undergraduates

19-20-21. PHILOSOPHY.

PROFESSOR WILLIAMS. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

A companion course to Philosophy 16-17-18. The aim of the course is to sketch the forces masterful in modern life.

Courses Primarily for Graduates

22-23-24. EPISTEMOLOGY.

PROFESSOR WILLIAMS. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

A study of the Critical Philosophy; lectures, theses. First term:

Prolegomena and Practical Reason, and the work that prepared the way for Kant. Second term: *Kritik der Reinen Vernunft.*

DEPARTMENT OF PHYSICS

ANDREW HENRY PATTERSON, A.M., *Professor of Physics.*
OTTO STUHLMAN, JR., Ph.D., *Associate Professor of Physics.*
JOHN FENTON DAUGHERTY, A.B., *Instructor in Physics.*

Assistants in Physics

CLYDE HAROLD BIAS.
WILTON CATHEY.
WADE ANDERSON GARDNER.
PAUL MILTON GRAY.
JOSEPH GRANBERRY TUCKER.
DARE ABERNATHY WELLS.

(For description of Physical Laboratories, see page 51.)

Courses for Undergraduates

1. GENERAL PHYSICS. PART 1.

PROFESSORS PATTERSON and STUHLMAN and MR. DAUGHERTY.
Sophomore, Junior and Senior elective.
Prerequisite, Mathematics, 1-2.

Credit, 1 course.
Six hours a week.
Fall or Winter Quarters.
Laboratory fee, $2.50.

Mechanics of solids, liquids and gases; Sound and Heat. Lectures; text-book Kimball's College Physics; problems; laboratory work.

2. GENERAL PHYSICS. PART 2.

PROFESSORS PATTERSON and STUHLMAN and MR. DAUGHERTY.
Sophomore, Junior and Senior elective.
Prerequisite, Mathematics, 1-2.

Credit, 1 course.
Six hours a week.
Winter or Spring Quarter.
Laboratory fee, $4.00.

Light, Electricity and Magnetism. Lectures; text-book Kimball; problems; laboratory work.

1-2-3E PHYSICS FOR ENGINEERING STUDENTS.

PROFESSORS PATTERSON and STUHLMAN and MR. DAUGHERTY.
Required of Engineering Sophomores.
Prerequisite, Mathematics, 1-2-3E or equivalent.

Credit, 2 courses.
Four hours a week.
Fall, Winter and Spring Quarters.
Laboratory fee, $2.50 a quarter.

This is a course given with special reference to the needs of students of Engineering, both in the lecture work and in the laboratory, while a great deal of problem work is given on subjects dealing with Engineering.

3-4. ELECTRICITY AND MAGNETISM.

PROFESSOR PATTERSON.
Junior and Senior elective.
Prerequisite, Mathematics, 1-2.

Credit, 1 course.
Three hours a week.
Fall and Winter Quarters.

A general course, but intended especially for medical students. Lectures, text-book, laboratory work.

14. ASTRONOMY.

PROFESSOR PATTERSON.
Junior and Senior elective.
Prerequisite, Physics 1-2.

Credit, 1 course.
Five hours a week.
Fall Quarter.

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, etc.

Courses for Graduates and Advanced Undergraduates

5. HEAT AND THERMODYNAMICS.

PROFESSOR PATTERSON.
Prerequisites, Physics 1-2, and Mathematics 4.

Credit, 1 course.
Five hours a week.
Fall Quarter.

Lectures, problems and laboratory work. (Offered in 1922 and alternate years.)

6. MECHANICS AND WAVE MOTION.

PROFESSOR STUHLMAN.
Prerequisites, Physics 1-2 and Mathematics 4.

Credit, 1 course.
Five hours a week.
Fall Quarter
Laboratory fee, $2.50

Lectures, problems and laboratory work. (Offered in 1922 and alternate years.)

7. MODERN ELECTRICAL THEORY.

PROFESSOR PATTERSON. Credit, 1 course.
Prerequisites, Physics 1-2 and Chemistry 1. *Five hours a week.* *Spring Quarter.*

Lectures and laboratory work; the electron theory, atomic structure, radioactivity, etc.

8. ADVANCED ELECTRICITY AND MAGNETISM.

PROFESSORS PATTERSON or STUHLMAN. Credit 1 course.
Prerequisites, Physics 1-2 and Mathematics 4. *Five hours a week.* *Spring Quarter.*

An introduction to the mathematical treatment of these subjects. (Offered in 1922 and alternate years).

9. OPTICS.

PROFESSOR STUHLMAN. Credit, 1 course.
Prerequisites, Physics 1-2 and Mathematics 4. *Five hours a week.* *Spring Quarter.* *Laboratory fee*, $2.50.

A treatment of the fundamental principles of geometrical and physical optics; lectures, problems and laboratory work. (Offered in 1922 and alternate years.)

10-11. INTRODUCTION TO MATHEMATICAL PHYSICS.

PROFESSOR STUHLMAN. Credit, 2 courses.
Prerequisites, Mathematics 4 and 10, or their equivalent. *Five hours a week.* *Winter and Spring Quarters.*

(Offered in 1922 and alternate years.)

12. ADVANCED GENERAL LABORATORY.

PROFESSORS PATTERSON or STUHLMAN. Credit, ½ course. *Any Quarter.* *Two laboratory Periods, of three hours each, a week.* *Laboratory fee*, $5.00.

This course affords an opportunity for further training and experimental study in physics not given in other courses.

13-14. RESEARCH FOR SENIORS.

PROFESSORS PATTERSON and STUHLMAN. Credit, 2 courses. *Laboratory fee*, $5.00.

Courses Primarily for Graduates

115ab. ATOMIC STRUCTURE.

PROFESSORS PATTERSON or STUHLMAN. *Five hours a week.* Credit, 2 courses.

Prerequisites, Physics 7 and Mathematics 4.

A critical survey of the experimental and theoretical evidence in various branches of physics for the present theories of the structure of atoms and molecules. A reading knowledge of French and German is required.

116. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM.

PROFESSOR STUHLMAN. Credit, 1 course.

Prerequisites, Mathematics 4 and 10. *Five hours a week.*

General electrostatic theory; ideal electric fields; condensers with homogeneous and non-homogeneous dielectrics; general laws of conduction; thermal effects; magnetostatic fields; electro-magnetic phenomena; electric waves.

117. THEORY OF LIGHT.

PROFESSOR STUHLMAN. Credit, 1 course.

Prerequisites, Mathematics 4 and 10. *Five hours a week.*

1. Geometrical optics. 2. Physical optics. 3. Optical properties of crystals and metals. 4. Magneto-optics and radiation. Reading knowledge of French and German is required.

118. THEORY OF RELATIVITY.

PROFESSOR PATTERSON. Credit, 1 course.

Prerequisites, Mathematics 4 and 10. *Five hours a week.*

A critical study of the experiments leading to the development of the theory of relativity; Einstein's work; study of contemporary articles on the subject. Reading knowledge of German is required.

NOTE.—Courses in advanced Analytic Mechanics are offered by the Department of Mathematics.

120. RESEARCH.

PROFESSORS PATTERSON and STUHLMAN.

Intended for applicants for advanced degrees. Experimental work. Subject assigned or approved by the professor in charge. A reading knowledge of French and German is required.

DEPARTMENT OF PSYCHOLOGY

JOHN FREDERICK DASHIELL, Ph.D., *Professor of Psychology.*

HARRY WOLVEN CRANE, Ph.D., *Associate Professor of Psychology.*

Teaching Fellows in Psychology, 1921-1922

WILLIAM DARBY GLENN, A.B.

JOHN HOLMAN MCFADDEN, A.B.

Assistants in Psychology, 1921-1922

CECIL HOLMES RAND.

JAMES HARDIN WALL.

Courses for Undergraduates

1-2. GENERAL PSYCHOLOGY.

PROFESSORS DASHIELL and CRANE. Credit, 2 courses.
Five hours a week.
Sophomore, Junior and Senior elective. *Fall and Winter, Winter and Spring, or Spring and Fall Quarters.*

The aim of the course is to present the essential phenomena of psychology, and the various methods of approach. Emphasis is placed on the organic relationships within the whole field.

10-11-12. EXPERIMENTAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, 1 course.
Prerequisites, Psychology 1-2. *Fall, Winter and Spring Quarters.*
Sophomore, Junior and Senior elective. *Laboratory fee, $2.00 a quarter.*

An introduction to the methods of the subject. A limited number of standard laboratory experiments are first undertaken, with emphasis upon precision in technique and in results. Later, original research is encouraged on a simple problem selected with reference to the student's special interests. May be begun any quarter and pursued one, two or three quarters.

Courses for Graduates and Advanced Undergraduates

20. EDUCATIONAL PSYCHOLOGY: GENERAL.

PROFESSOR DASHIELL. Credit, 1 course.
Prerequisites, Psychology 1-2. *Five hours a week.*
Fall Quarter.

To consider critically different topics such as original nature of man, heredity versus environment, kinds of learning and factors influencing learning, individual differences, mental hygiene, mental measurement. Texts, lectures, and experiments..

22. EDUCATIONAL PSYCHOLOGY: THE PSYCHOLOGY OF TRAINING.

PROFESSOR DASHIELL. Credit, 1 course.
Prerequisite, Psychology 1-2. *Five hours a week.*
Spring Quarter.

An analysis of human training; its nature, means, and possibilities. A reading survey will be made of the outstanding experimental work on these lines. The aim will be to get an accurate and scientific notion of the subject, with possibilities of application to various fields of applied psychology, including education and industry.

25. GENETIC PSYCHOLOGY: PHYLOGENETIC.

PROFESSOR DASHIELL. Credit, 1 course.
Prerequisite, Psychology 1-2. *Five hours a week.*
Fall Quarter.

Development of mind in the animal. Study of behavior as analyzable into tropisms, reflexes, instincts, habits, learning capacities, etc. Comparisons between different phyla of animals and between animals and man. Texts, lectures and experiments.

26. GENETIC PSYCHOLOGY: ONTOGENETIC.

PROFESSOR DASHIELL. Credit, 1 course.
Prerequisite, Psychology 1-2. *Five hours a week.*
Winter Quarter.

Development of mind in the child. Original motor and mental tendencies and their organization through development and training. Special attention to the development of instincts into conscious interests, and to the maturing of intellectual powers. Methods of measuring intelligence will be studied. Texts, lectures and experiments or observations.

30. SOCIAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, 1 course.
Prerequisite, Psychology 1-2. *Five hours a week.*
Fall Quarter.

A brief survey of the subject from two different points of view; analysis of the social factors in individual mentality, as in the development of the Self, and analysis of the psychological factors involved in group phenomena. Attention also to be given to individual differences, race psychology, etc. Readings and lectures.

35. COMMERCIAL PSYCHOLOGY: INDUSTRIAL.

PROFESSOR CRANE. Credit, 1 course.
Prerequisite, Psychology 1-2. *Five hours a week.*
(and Psychology 30 advised.) *Winter Quarter.*

A survey of psychological aspects of industry and business, and of applications being made from the science of psychology to the latter. The attitude throughout to be scientific and critical. Special needs of students of School of Commerce to be kept in mind. Readings and discussions.

36. COMMERCIAL PSYCHOLOGY: ADVERTISING.

PROFESSOR CRANE. Credit, 1 course.
Prerequisites, Psychology 1-2. *Five hours a week.*
Spring Quarter.

An attempt is made to present systematically those aspects of psychology that will aid the advertiser more effectively to construct and present his advertisements. While aiming to give information of practical value the emphasis is placed upon the establishing of a point of view that will be of assistance in the development of a general technique on the part of the advertiser.

45. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS.

PROFESSOR CRANE. Credit, 1 course.
Prerequisites, Psychology 1-2. *Five hours a week.*
Winter Quarter.

Presentation of the psycho-neural aspects of feeble-mindedness in general, and of the various types; together with their importance in relation to the problems of education, dependency, and delinquency. There will be discussion and demonstration of the various clinical methods of determination and classification of feeble-mindedness.

46. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES.

PROFESSOR CRANE. Credit, 1 course.
Prerequisites, Psychology 1-2. *Five hours a week.*
Spring Quarter.

A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy.

Courses Primarily for Graduates

101-102-103. EXPERIMENTAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, 1 course.
Fall, Winter and Spring Quarters.
Laboratory fee, $2.00 a quarter.

Opportunity will be offered for the experimental investigation of special problems along the line of the individual student's interests. Where necessary, adjustment of the work to the needs of graduate students lacking laboratory training in this field can be made.

105. ADVANCED GENERAL PSYCHOLOGY.

PROFESSOR CRANE. Credit, 1 course.
Five hours a week.
Fall Quarter.

An intensive study is made of the general field of psychology. Emphasis is placed upon the neutral mechanism as a basis of understanding both the mental and the reaction phenomena of psychology.

106. CONTEMPORARY PSYCHOLOGICAL TENDENCIES.

PROFESSOR DASHIELL. Credit, 1 course.
Five hours a week.
Winter Quarter.

A more or less systematic survey of the more outstanding recent and contemporary movements in modern psychology. Readings assigned in the works of Wundt and Tichener, James, Hall, McDougall and Stout, Thorndike, Pavlov, Watson, Cannon, Freud and Jung, and perhaps others.

108. SEMINAR.

PROFESSORS DASHIELL and CRANE. Credit, ½ course. *Three hours a week. Spring Quarter.*

The general subjects will be chosen at the beginning of the quarter, and in view of the special interests of the students. The work will consist of papers by the members of the class, and free discussions. Opportunity will be given for the preliminary reporting of investigations students may have in progress and for helpful discussion thereof.

DEPARTMENT OF ROMANCE LANGUAGES

WILLIAM MORTON DEY, Ph.D., *Professor of the Romance Languages and Literatures.*

OLIVER TOWLES, Ph.D., *Professor of French.*

STURGIS ELLENO LEAVITT, Ph.D., *Professor of Spanish.*

*HERMAN HENRY STAAB, A.M., *Assistant Professor of Romance Languages.*

CHARLES EDWARD GREEN, Ph.D., *Assistant Professor of Romance Languages.*

HOWARD RUSSELL HUSE, Ph.B., *Assistant Professor of Romance Languages.*

JOHN JAMES DAVIS, S.B., *Assistant Professor of Romance Languages.*

FRANK JOHN HARONIAN, AB., *Instructor in French.*

MARTIN KAHO BROOKS, A.M., *Instructor in Romance Languages.*

MURAT HALSTEAD ROBERTS, A.M., *Instructor in Romance Languages.*

HARRY SYLVANUS VAN LANDINGHAM, A.M., *Instructor in French.*

THOMAS JAMES WILSON, III, A.B., *Instructor in French.*

WYATT ANDREWS PICKENS, *Assistant in Spanish.*

*Absent on leave 1921-22.

French

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSORS HUSE, STAAB, and DAVIS, and MESSRS. HARONIAN, BROOKS, ROBERTS, VAN LANDINGHAM and WILSON.

Credit, 2 courses.
Five hours a week.
Fall and Winter or Winter and Spring Quarters.

Essentials of French Grammar. Special attention given to pronunciation. It is aimed to make this course as practical as possible, with much oral work. This course may be counted for credit towards the degree by those only who have fulfilled the entrance requirements in two other foreign languages, and provided it is followed by French 3-4. Course 2 will also be given in the fall of 1922.

3-4. CONTINUATION OF COURSE 1-2.

PROFESSORS TOWLES, HUSE, STABB, and DAVIS, and MESSRS. HARONIAN, BROOKS, ROBERTS, VAN LANDINGHAM and WILSON.

Credit, 2 courses.
Five hours a week.
Fall and Winter or Winter and Spring Quarters.

Freshman and Sophomore elective.

Reading of modern French literature, frequent composition and dictation. Course 4 will also be given in the fall of 1922.

5. ADVANCED COURSE.

PROFESSOR DEY, TOWLES, and HUSE.

Credit, 1 course.
Five hours a week.
Fall, Winter or Spring Quarter.

Sophomore, Junior and Senior elective.

Prerequisite, French 3-4.

Studies in reading and writing French. French phonetics. Reading of representative literature of the Nineteenth Century, with extensive collateral reading.

6. CONTINUATION OF FRENCH 5.

PROFESSORS DEY and TOWLES. Credit, 1 course.
Sophomore, Junior and Senior elective. *Five hours a week.*
Fall or Spring Quarter.
Prerequisite, French 3-4.

Masterpieces of French literature, with much collateral reading and oral work.

7. FRENCH CONVERSATION AND COMPOSITION.

PROFESSOR HUSE. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisite, French 3-4. *Winter Quarter.*

The object of this course is to provide students with an opportunity to acquire practice in spoken French. Discussions in French on subjects of general interest. Composition and outside reading.

9. COMMERCIAL FRENCH.

PROFESSOR STAAB. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisite, French 5. *Spring Quarter.*

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country will be read. Practice in social and commercial correspondence. This course will be largely conducted in French.

Courses for Graduates and Advanced Undergraduates

11-12. FRENCH LITERATURE IN THE SEVENTEENTH CENTURY.

PROFESSOR TOWLES. Credit, 2 courses.
Prerequisite, French 6. *Five hours a week.*
Fall and Winter Quarters.

Classicism: Molière, Corneille, Racine, etc. Lectures, reading, reports.

13. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.

PROFESSOR HUSE. Credit, 1 course.
Prerequisite, French 6. *Five hours a week.*
Fall Quarter.

Voltaire, Montesquieu, Rousseau, les Encyclopédistes. A study of the literary movement of the century and of the origins of romanticism.

15-16. THE FRENCH ROMANTIC MOVEMENT.

PROFESSOR DEY. Credit, 2 courses.
Prerequisite, French 6. *Five hours a week.*
Winter and Spring Quarters.

Lamartine, Hugo, Vigny, Musset, etc. Later literary movements are also touched upon. Lectures, reading, reports.

17-18. THE FRENCH DRAMA.

PROFESSOR TOWLES. Credit, 2 courses.
Prerequisite, French 6. *Five hours a week.*
Fall and Winter Quarters.

A study of the development of the drama in France. Lectures, reading, reports.

19-20. THE FRENCH NOVEL.

PROFESSOR DEY. Credit, 2 courses.
Prerequisite, French 6. *Five hours a week.*
Two Quarters.

A study of the development of the novel in France. Lectures, reading, reports. (To be given in 1922-1923 and in alternate years.)

23-24. FRENCH POETRY.

PROFESSOR ————————. Credit, 2 courses.
Prerequisite, French 6. *Five hours a week.*
Two Quarters.

A study of French lyric verse, beginning with Villon. Lectures, reading, reports.

No student is permitted to take French 1-2 and Spanish 1-2 at the same time.

Courses Primarily for Graduates

101-102 STUDIES IN ROMANTICISM.

PROFESSOR DEY. Credit, 2 courses.
Prerequisite, French 15-16. *Five hours a week.*
Winter and Spring Quarters.

Intensive study of one author. Topic for 1922-1923: Alfred de Vigny.

103-104. THE FRENCH CLASSICAL DRAMA.

PROFESSOR TOWLES. Credit, 2 courses.
Five hours a week.
Two Quarters.

An intensive study of Corneille, Racine, and Molière. Investigation of sources, extensive collateral reading with oral reports and a thesis.

105-106. THE SIXTEENTH CENTURY.

PROFESSOR TOWLES. Credit, 2 courses.
Winter and Spring Quarters.
Five hours a week.

Origins of the Renaissance movement. Italian and French Humanism. The Reformation. Marot, Rabelais, Calvin, the Pléiade, Montaigne.

121-122-123. OLD FRENCH.

PROFESSOR ————————. Credit, 1½ courses.
Three hours a week.
Fall, Winter and Spring Quarters.

Reading of the oldest texts: La Chanson de Roland; Aucassin et Nicolette; Chrétien de Troyes. Lectures on French Phonology and Morphology.

125. PROVENCAL.

PROFESSOR ————————. Credit, 1 course.
Five hours a week.
Spring Quarter.

A study of the ancient language and literature of Provence. The poetry of the Troubadours.

131. INTRODUCTION TO LINGUISTIC SCIENCE.

PROFESSOR DEY. Credit, 1 course.
Spring Quarter.

Vowel measurements. Phonetic alphabets. Special attention to the pronunciation of French.

140. RESEARCH.

Research in a special field under the direction of a member of the department.

Spanish

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSOR STAAB and GREEN. Credit, 2 courses. *Five hours a week. Fall and Winter or Winter and Spring Quarters.*

Essentials of Spanish grammar. Special attention given to pronunciation. Reading of selected texts, with much oral drill. This course may be counted for credit towards the degree by those who have fulfilled the entrance requirement in two other foreign languages, and provided it is followed by Spanish 3-4. Course 2 will also be given in the fall of 1922.

3-4. CONTINUATION OF COURSE 1-2.

PROFESSORS STAAB and GREEN. Credit, 2 courses. *Five hours a week.*
Freshman and Sophomore elective. *Fall and Winter or Winter and Spring Quarters.*
Prerequisite, Spanish 3-4.

Reading of modern Spanish literature, composition and dictation.

5. MASTERPIECES OF SPANISH LITERATURE.

PROFESSORS LEAVITT, STAAB and GREEN. Credit, 1 course. *Five hours a week.*
Sophomore, Junior and Senior elective. *Fall, Winter, or Spring Quarter.*
Prerequisite, Spanish 3-4.

Extensive collateral reading. Oral drill in the spoken language. Topics of general interest discussed.

6. CONTINUATION OF SPANISH 5.

PROFESSOR ————————. Credit, 1 course. *Five hours a week.*
Sophomore, Junior and Senior elective. *Winter, or Spring Quarter.*
Prerequisite, Spanish 5.

Rapid reading. Oral and written reports.

9. COMMERCIAL SPANISH.

Professor LEAVITT. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Spring Quarter.
Prerequisite, Spanish 5.

The object of this course is to give the student practical training in modern Spanish. Newspaper and magazine articles dealing with the life and customs of South America will be read. Practice in social and commercial correspondence. This course will be largely conducted in Spanish.

No student is permitted to take Spanish 12 and French 1-2 at the same time.

Courses for Graduates and Advanced Undergraduates

11-12. SPANISH DRAMA OF THE SIGLO DE ORO.

PROFESSOR LEAVITT. Credit, 2 courses.
Prerequisite, Spanish 6. *Five hours a week.*
Fall and Winter Quarters.

Earlier dramatists, representing plays of Lope de Vega, Tirso de Molina, Calderón, Ruiz de Alarcón, etc. Lectures and reports.

19-20. THE SPANISH NOVEL.

PROFESSOR LEAVITT. Credit, 2 courses.
Five hours a week.
Fall and Winter Quarters.

A study of the development of the novel in Spain. (To be

21. MODERN SPANISH NOVELISTS.

PROFESSOR LEAVITT. Credit, 1 course.
Five hours a week.
Spring Quarter.

Consideration of present tendencies and intensive study of one representative author.

Courses Primarily for Graduates

121-122. EARLY SPANISH.

PROFESSOR———. Credit, 2 courses.
Five hours a week.
Fall and Winter Quarters.

Ford's *Old Spanish Readings.* The Poem of the Cid. Spanish Literature to the sixteenth century.

123. EARLY SPANISH LITERATURE.
PROFESSOR ——————. Credit, 1 course.
Prerequisite, Spanish 121-122. *Five hours a week.*
Spring Quarter.
Intensive study of one representative author of this period.

131-132. INTRODUCTION TO SPANISH-AMERICAN LITERATURE.
PROFESSOR LEAVITT. Credit, 2 courses.
Five hours a week.
Two Quarters.
A study of notable authors and consideration of present-day writers.

140. RESEARCH.
Research in a special field under the direction of a member of the department.

Italian

Courses for Undergraduates

1-2. ELEMENTARY COURSE.
PROFESSOR HUSE. Credit, 2 courses.
Junior and Senior elective. *Five hours a week.*
Prerequisite, French 3-4 or Spanish 3-4. *Winter and Spring Quarters.*
Grammar, pronunciation, oral and written exercises. Reading of modern Italian texts.

3-4 MODERN ITALIAN LITERATURE.
PROFESSOR HUSE. Credit, 2 courses.
Junior and Senior elective. *Five hours a week.*
Prerequisite, Italian 1-2.
Continuation of courses 1 and 2 with readings from modern Italian poets, dramatists and novelists.

11. ITALIAN LITERATURE OF THE RENAISSANCE.
PROFESSOR HUSE. Credit, 1 course.
Prerequisite, Italian 1-2. *Five hours a week.*
Reading from the principal authors, with special emphasis on Ariosto, Machiavelli, Castiglione and lyric poets. Collateral reading on the history of Italian culture during the Renaissance.

Portuguese

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSOR LEAVITT. Credit, 2 courses.
Junior and Senior elective. *Five hours a week.*
Prerequisite, French 3-4
or Spanish 3-4.

Grammar, pronunciation, oral and written exercises, translation and reading at sight. Given when there is sufficient demand.

DEPARTMENT OF RURAL SOCIAL SCIENCE

EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., *Kenan Professor of Rural Social Economics.*

SAMUEL HUNTINGTON HOBBS, JR., A.M., *Assistant Professor of Rural Economics and Sociology.*

Courses for Undergraduates

1-2-3. FORMAL COURSE IN RURAL ECONOMICS.

PROFESSOR HOBBS. Credit, 3 courses.
Junior and Senior elective. *Five hours a week.*
Prerequisite or Corequisite: Economics 1-2. *Fall, Winter and Spring Quarters.*

A background for defining and interpreting the economic problems of country life in North Carolina: Carver's *Principles of Rural Economics.* References: Nourse's *Readings in Agricultural Economics*, Carver's *Selected Readings in Rural Economics.*

5-6-7. CONSTRUCTIVE STUDIES IN RURAL SOCIOLOGY.

PROFESSOR BRANSON. Credit, 3 courses.
Junior and Senior elective. *Five hours a week.*
Prerequisite or Corequisite: General Sociology 2. *Fall, Winter and Spring Quarters.*

Sims *The Rural Community.* References: Galpin's *Rural Life;* Vogt's *Introduction to Rural Sociology;* Fiske's *Challenge of the Country;* Wilson's *Evolution of the Country Community, Sociology of Rural Life*, Proceedings of the American Sociological Society, Vol. IX, 1916; Phelan's *Readings in Rural Sociology.*

9-10-11. LABORATORY COURSE IN RURAL ECONOMICS AND SOCIOLOGY.

PROFESSORS BRANSON and HOBBS. Credit, 3 courses.
Five hours a week.
Junior and Senior elective. *Fall, Winter and Spring Quarters.*
Corequisite: 1-2-3 and 5-6-7.

Home-county and home-state studies, research work and surveys.

20. LECTURE AND RESEARCH COURSE ON NORTH CAROLINA.

PROFESSOR HOBBS. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Fall Quarter.

This course is designed to familiarize the student with North Carolina: population, agriculture, resources, social life, economic development, industry.

21. AGRICULTURAL COOPERATION.

PROFESSOR HOBBS. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

Lecture and research. History of agricultural cooperation, principles of cooperation, cooperative organizations, rural credits, and cooperative marketing.

Courses for Graduates and Advanced Undergraduates

13-14-15. RURAL ECONOMICS.

PROFESSOR BRANSON. Credit, 3 courses.
Five hours a week.
Fall, Winter and Spring Quarters.

Research, seminars, and field investigation in (1) land economics —resources, values, ownership and tenancy, laws and policies; (2) farm organization and management—farm systems, farm finance, distribution of farm products and the farm income, cooperative farm enterprise; (3) country wealth and country institutions, country home comforts and conveniences, etc.; (4) state and county studies, economic, social and civic; county bulletins, etc. Required preliminary preparation: approved courses in general and agricultural economics. Lacking such preparation, collateral courses in these subjects must be taken in residence here.

17-18-19. RURAL SOCIAL PROBLEMS.

PROFESSORS BRANSON and HOBBS. Credit, 3 courses. *Five hours a week.* *Fall, Winter and Spring Quarters.*

1. Research, seminars, and field investigation of (1) rural social institutions and agencies, (2) transportation and communication facilities in rural areas, (3) country-mindedness and its sequences, (4) town and country interdependencies, (5) social disability in country areas, our public welfare laws and agencies, (6) social aspects of tenancy and illiteracy, (7) state and county studies, economic, social and civic; county bulletins, etc. 2. Rural Social Surveys; research, technic and field work. 3. Statistics; interpretation and use. 4. Rural Social Engineering: (1) county community studies; (2) community organization, economic and social; (3) county government; (4) country leadership, requisites and technic. Required preliminary preparation: approved courses in general and rural sociology, lacking which, collateral courses in these subjects must be taken in resi-

DEPARTMENT OF SOCIOLOGY

HOWARD WASHINGTON ODUM, Ph.D., *Kenan Professor of Sociology.*
JESSE FREDERICK STEINER, Ph.D., *Professor of Social Technology.*
HAROLD DIEDRICH MEYER, A.M., *Associate Professor of Sociology.*

Courses for Undergraduates.

1. THE ELEMENTS OF SOCIOLOGY.

PROFESSOR MEYER. Credit, 1 course. *Five hours a week.* *Fall Quarter.*

A course in the elements of social theory and its application to modern social problems and relations to the other social sciences. The study of population, institutions, social movements, human interests, social organization and social progress.

2. PRINCIPLES OF SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Junior and Senior elective. *Five hours a week.* *Fall Quarter.*

A study of the ranges of human experience and relationship

through the analysis of social population, social forces, social processes and social products. Effort will be made to study carefully social principles and their practical applications, and to learn not only social structure and social function, in general, but the possibilities and prospects of guiding the activities of social groups and social forces. Institutional modes of conduct will occupy a large place in the final considerations and conclusions.

3. STATISTICS AND STATISTICAL METHODS.

PROFESSOR ODUM. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

A brief survey of the field of theoretical statistics, with a thorough mastery of the elements of numbering, averages, modes, medians, variations, and scientific principles involved. Special emphasis will be placed upon practical methods of utilizing statistics, the recognition of facts, gathering data, compiling, plotting, conclusions, and the special application of statistics to social phenomena.

4. EDUCATIONAL SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Spring Quarter.

Standards of measurement of progress. Survey of sociological principles involved in their applications in education, politics, government, social work. The effective use of sociology in directing and controlling group progress, social institutions, democracy, and in the development of the total social personality of the individual. The co-ordination of institutional modes of activity and the enrichment, through co-operation, of social organization.

Courses for Graduates and Advanced Undergraduates

5. NEGRO PROBLEMS.

PROFESSOR ODUM. Credit, ½ course.
Three hours a week.
Fall Quarter.

A study of the race problems of the South, with consideration of

the history, economic and social status, and future of the negro. Standards of measurement for race progress; race relationships; the specific problems of the here and now of southern race relations. Seminar course.

6. PROBLEMS OF IMMIGRATION.

PROFESSOR STEINER. Credit ½ course.
Three hours a week.
Winter Quarter.

The essential problems of immigration in this country—history and analysis of immigration—restriction—adaptation—Americanization—Special problems of immigration in relation to industrial and social unrest and development.

7. PROBLEMS OF THE SMALL TOWN AND MILL VILLAGE.

PROFESSOR ODUM. Credit, ½ course.
Three hours a week.
Spring Quarter.

The romance of the small town—its place in the American commonwealth—relationship to this state—town planning—the mill village—its social and industrial problems—special studies of selected towns.

8. COMMUNITY ORGANIZATION.

PROFESSOR STEINER and ————. Credit, ½ course.
Three hours a week.
Fall or Winter Quarter.

The community as a unit of work—problems of modern community life—principles underlying community organization—experiments in methods of community organization—development and coördination of community activities illustrated by case records—problems of community leadership.

9. COMMUNITY ORGANIZATION.

PROFESSOR STEINER. Credit, ½ course.
Three hours a week.
Winter or Spring Quarters.

A continuation of Sociology 8 with special attention given to current examples and methods of community organization in this and other countries. The Community Council.

11. THE FAMILY.

PROFESSOR STEINER. Credit, ½ course.
Three hours a week.
Fall Quarter.

Early forms of the family in primitive society; its historical development during Greek, Roman and Mediæval periods. The modern family and its problems.

12. CRIME AND ITS SOCIAL TREATMENT.

PROFESSOR STEINER. Credit, ½ course.
Three hours a week.
Winter Quarter.

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency.

13. SOCIAL PATHOLOGY.

PROFESSOR STEINER. Credit, ½ course.
Three hours a week.
Spring Quarter.

A study of the abnormal and pathological aspects of social life: problems of dependency and degeneracy, and methods of care and treatment of dependent and defective classes.

14. FAMILY CASE WORK.

PROFESSOR NEWMAN. *Three hours a week.*
Credit, ½ course.
Fall Quarter.

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, relief.

15. FAMILY CASE WORK.

PROFESSOR STEINER and MISS BRYANT. Credit, ½ course.
Three hours a week.
Winter Quarter.

A continuation of Sociology 14, with more intensive study of case records.

20. SOCIOLOGY: THE PRINCIPLES OF FIELD WORK.

PROFESSOR MEYER. Credit, ½ course.
Three hours a week.
Fall Quarter.

The study and demonstration of field work as a standard laboratory course in social science. Fourteen hours a week required of all who major in community work.

21. SOCIOLOGY: FIELD WORK AND COMMUNITY SURVEYS.

PROFESSOR MEYER. Credit, ½ course.
Three hours a week.
Winter Quarter.

Planning for community recreation. Special days—Special programs for communities—Map-drawing and surveys—Community Fairs.

24. SOCIOLOGY: THE PHILOSOPHY OF PLAY.

PROFESSOR MEYER. Credit, ½ course.
Three hours a week.
Winter Quarter.

A study of the play instincts—the relation of play to physical growth, to mental, social, and moral development—theories of play—social significance in modern times. To be taken with Sociology 20, 21.

Courses Primarily for Graduates

121. SOCIOLOGY: THE PRINCIPLES OF SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Five hours a week.
Fall Quarter.

A graduate seminar in the study of advanced social theory and research into some special social problem.

122. SOCIOLOGY: EDUCATIONAL SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Five hours a week.
Winter and Summer Quarters.

An advanced course in the study of scientific programs of social progress. Objective measurement of social influences and social groups. Research into some specific problem relating to one of the larger institutions.

123. SOCIOLOGY: HISTORICAL SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Five hours a week.
Spring Quarter.

A study of the leading social theorists and their contribution to human thought and welfare. Research into the theories of some selected writer.

124. SOCIOLOGY: POVERTY AND RELIEF.

PROFESSOR STEINER. Credit, 1 course.
Five hours a week.
Fall Quarter.

A research seminar on the social treatment of the dependent in society. One special topic selected for research, as the County Home.

125. SOCIOLOGY: NATIONAL AGENCIES FOR PUBLIC SERVICE.

PROFESSOR STEINER. Credit, 1 course.
Five hours a week.
Winter Quarter.

A graduate seminar in the study of state and national agencies, public and private, for the administration of relief.

126. SOCIOLOGY: COMMUNITY ORGANIZATION.

PROFESSOR STEINER. Credit, 1 course.
Five hours a week.
Spring Quarter.

An advanced course following Sociology 8. Intensive study of special movements and new theory and practice in community organization and leadership.

DEPARTMENT OF ZOOLOGY

HENRY VANPETERS WILSON, Ph.D., *Kenan Professor of Zoology.*
CHARLES DALE BEERS, A.B., *Instructor in Zoology.*

Assistants in Zoology, 1921-1922

GRANT LESTER DONNELLY
WILLIAM PRESTON HOLT, JR.
WILLIAM LEONIDAS SMITH

(For description of Biological Laboratories, see page 49.)

Courses for Undergraduates

1. ELEMENTS OF ZOOLOGY.

PROFESSOR WILSON and	Credit, 1 course.
MR. BEERS.	*Six hours a week.*
Sophomore, Junior and	*Winter Quarter.*
Senior elective.	*Laboratory fee, $5.00.*

An introductory course giving an outline of the structure and physiological behavior of animals. Lectures with laboratory work.

2. ELEMENTS OF ZOOLOGY.

PROFESSOR WILSON and	Credit, 1 course.
MR. BEERS.	*Six hours a week.*
Sophomore, Junior and	*Spring Quarter.*
Senior elective.	*Laboratory fee, $5.00.*

A continuation of the preceding, covering classification, and the fundamental concepts of individual development, heredity and evolution. Lectures with laboratory work.

Courses for Graduates and Advanced Undergraduates.

3. COMPARATIVE ANATOMY OF VERTEBRATES.

PROFESSOR WILSON.	Credit, 1 course.
Prerequisite, Zoology 1.	*Five hours a week.*
(Zoology 2 strongly	*Fall Quarter.*
recommended).	*Laboratory fee, $5.00.*

Dissection of types, especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures.

4. COMPARATIVE EMBRYOLOGY OF VERTEBRATES.

PROFESSOR WILSON.	Credit, 1 course.
Prerequisite, Zoology 1 and	*Five hours a week.*
2, or 1 and 3.	*Winter Quarter.*
	Laboratory fee, $5.00.

Maturation and fertilization phenomena in some invertebrate types; segmentation and formation of germ layers in frog and teleost fish; germ layers and development of characteristic vertebrate organs in chick; fundamentals of microscopic technique. Laboratory work with occasional lectures.

5. COMPARATIVE HISTOLOGY OF VERTEBRATES.

PROFESSOR WILSON. Credit, 1 course.
Prerequisite, Zoology 4. *Five hours a week.*
Spring Quarter.
Laboratory fee, $5.00.

Microscopic preparation of selected tissues and organs are made from the fresh animal, and studied with the help of texts. Laboratory work with assigned reading.

6-7-8. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES.

PROFESSOR WILSON. Credit, 1½ courses.
Prerequisite, Zoology 1 and 2. *Three hours a week.*
Fall, Winter and Spring Quarters.
Laboratory fee, $3.00 a quarter.

Dissection and microscopic study of types of the chief orders, with some consideration of life histories; systematic diagnosis. Laboratory work with occasional lectures.

Courses Primarily for Graduates

109-110-111. GENERAL EMBRYOLOGY AND REGENERATION.

PROFESSOR WILSON. *Fall, Winter and Spring Quarters.*
Laboratory fee, $5.00 a quarter.
Not less than five hours a week.
Credit, 3 courses or more.

Embryology and Regeneration in the lower metazoa and simpler vertebrates.

112. RESEARCH UNDER DIRECTION.

PROFESSOR WILSON. Credit ½ or 1 course.
Three or five hours a week.
Spring Quarter.
Laboratory fee, $3 *or* $5.

Designed especially for candidates for the Master's Degree.

PART FIVE

COMMENCEMENT

LIST OF STUDENTS

INDEX

ONE HUNDRED AND TWENTY-SIXTH COMMENCEMENT 1921

Sunday, June 12th

Baccalaureate Sermon

Rev. Chas. E. Maddry, D.D.

Sermon Before The Young Men's Christian Association

The Reverend W. D. Moss, D.D.

Monday, June 13th

Senior Speakers

W. H. Bobbitt.
P. Hettleman.
J. H. Kerr.
T. C. Taylor.

Tuesday, June 14th.

Alumni Exercises

Reunions of the Classes of 1861, 1871, 1881, 1891, 1901, 1906, 1911-1916, 1920.

The Debate by Representatives From the Dialetic and Philanthropic Literary Societies

Philanthropic	*Dialetic*
W. E. Horner.	F. A. Grissett.
C. L. Moore.	G. L. Warren.

Wednesday, June 17th

The Commencement Address

The Honorable Josephus Daniels

DEGREES IN COURSE

Bachelors of Arts

*Julius Edmond Banzet, Jt.
Charles Dale Beers
Frank Durham Bell
Walter Reece Berryhill
William LeGette Blythe
William Haywood Bobbitt
Henry Spurgeon Boyce
Charles Theodore Boyd
Augustus Rufus Bullock
Lucy Maria Cobb
Mary Louisa Cobb
Richard Gay Coker
Henry Burwell Cooper
Lenox Gore Cooper
John Columbus Cowan
Jonathan Worth Daniels
Robert Mayo Davis
Robert Clyde Dorsette
Haywood Edmundson
Joseph Wilson Ervin
Erasmus Hervy Evans
Leonard Earl Fields
Howard Edward Fulton
*William Darby Glenn
Daniel Lindys Grant
*Paul Elliott Green
Lee Overman Gregory
Arthur Gwynn Griffin
Body Harden
John McKenzie Hargett
Nathaniel Perkinson Hayes
Hubert Crouze Heffner
Ray Lorenzo Heffner
Waverly Mauldin Hester
Benjamin Ivey Hoffner
Edgar Frank Hooker
Junius Moore Horner, Jr.,
Willard Peyton Hudson
Adeline Edmonds Hughes
Archibald Caleb Lineberger, Jr.
Burgin Edison Lohr
Frank Robbins Lowe
Thomas Mortimer McKnight
Louis deRosste MacMillan
Elbert Hoke Martin
James Speed Massenburg
James Bennett Miller
Thomas Owen Moore
Marcus Cicero Stephens Noble, Jr.
Harry Edward O'Neil
Roger Wendell Ogburn
Bailey Patrick
Howard Alexander Patterson
James Theophilus Penney
Ruth Penny
Charles Wiley Phillips
Nell Abbie Patterson Pickard
Philip Basil Pollock
Alfred Luther Purrington, Jr.
Samuel Hunter Reams
Harvey Caldwell Renegar
George Branson Robbins
Jesse Manly Robbins
Nellie Nazer Roberts
William Allen Royall
John Duncan Shaw
Frederick Carlyle Shepard
Lou Sullivan Shine
Wesley Hill Shine
Rossie Steelman Shore
*Rebort Owen Smith
Mary James Spruill
Samuel Whitfield Stevenson
Robert Tula Stimpson
Wilbur White Stout
James Lemon Tapp, Jr.
Charles Irwin Taylor
*Thomas James Wilson, III

*Absent by permission.

Rufus Avera Hunter
John Hosea Kerr, Jr.
Haywood Gordon Kincaid
Robert Newton Ledford
Colvin Theodore Leonard
Tyre Crumpler Taylor
Cyrus Berkeley Thomas
James Frank Tilson, Jr.
Winfred Edwin Tilson
Folger Lafayette Townsend
Brainard Edynor Whiting

Bachelor of Arts in Education

Rebert Baxter Spencer

Bachelors of Science in Chemistry

Barnette Naiman
Lewis Mann Neson
Sihon Cicero Ogburn, Jr.
Adolphus Bingham Owens
Frederick Phillips Brooks
Duncan McColl Carroll
Roobert Odus Deitz
Charles Robert Harris
Charles Baxter Ridge

Bachelors of Science in Civil Engineering

Sheldon Clyde Austin
Jamie Bunnell Broach
Kenneth Barnes Noe

Bachelors of Science in Electrical Engineering

Charles Junius Bryan
David St. Pierre DuBose
William Feimster Foote
Thera Earl Hinson
John De Morris
Philip Carver Smith
Allan Brantley Wright

Bachelors of Science in Geology

William Alexander Redfearn
Oscar Blaine Welch

Bachelors of Science in Medicine

Marcus Edward Bizzell, Jr.
*Thomas Clayton Brewer
Charles Caswell Massey
Sam Moore Schenck
Randall Collins Smith
Vance Everette Swift

*Absent by permission

Bachelors of Science in Commerce

William Donald Carmichael, Jr.
Jesse Harper Erwin, Jr.
William Ward Hagood, Jr.
Howard Alexander Hanby
William Burrus Harrell
Phillip Hettleman
Edwin Michael Holt
William Haywood Ruffin, Jr.
Karl Ernest Thies
Franklin Thompson
Donnell Van Noppen
Thomas Wilson

Bachelors of Arts and Laws

William Elmer Matthews
John Albert Prichett

Bachelors of Laws

Mack Murphy Jernigan
John Hill Paylor
J. Carlton Pittman

GRADUATES IN PHARMACY

Harriett Minerva Bingham
James Louis Cobb
Otho Crowell Edwards
Allison McLaurin Gibson
Howell Newton Guion
Everett Lee Padgett
William Allen Prout
James Stark White
George Sparrow Wilson

Pharmaceutical Chemist

Marion Lee Jacobs

Masters of Arts

Raymond William Adams
Earnest Willie Atkins
John Lee Aycock
*Josiah Smith Babb
Mable Louise Bacon
Roy Melton Brown
William Horace Butt
James Arthur Capps
Agnes Marie Clegg
Elsie May Clegg
Paul Reber Dawson
Albert Pettigrew Elliott
Joseph Felix Spainhour, Jr.
Houston Spencer Everett
Keener Chapman Frazer
Harry Franklin Latshaw
Sylvia Louise Latshaw
Samuel Bayard Lee
*Edwin Samuel Lindsey
Leo Dewitte Martin
Annie Beckwith Pruitt
Louisa Pressly Reid
Wiley Britton Sanders
Bryan Webb Sipe
Charles George Smith

*Absent by permission

Master of Science

Haywood Maurice Taylor

Doctors of Philosophy

Troy Monroe Andrews, Thesis: New Derivations of 2, 3, 8-Tribromojuglone

Ira Welborn Smithey, Thesis: Bromination of 2 Amino-p-cymene

HONORARY DEGREES

Doctor of Science

William Cain

Doctor of Laws

Eugene Clyde Brooks

Emilie Watts McVea

Doctor of Literature

Mary Mendenhall Hobbs

MEDALS, PRIZES, AND FELLOWSHIPS

The William Cain Prize in Mathematics—L. J. Phipps.

The Eben Alexander Prize in Greek—E. P. Willard, Jr.

The Early English Text Society Prize—E. S. Lindsey.

The Callaghan Scholarship Prize in Law—Oliver Rand.

The Ledoux Fellowship in Chemistry—Barnette Naiman.

The Kerr Prize in Geology—J. S. Babb.

The Hunter Lee Harris Medal— G. B. Porter.

The Ben Smith Preston Cup—W. E. Horner.

The Julian S. Carr Fellowship—L. J. Phipps.

The Burdick Prize in Journalism—B. H. Bardin.

The Stanton Byrd McKinnon Memorial Medal in Freshman English—E. H. Hartsell.

The William J. Bryan Prize in Political Science—C. T. Boyd.

The Mildred Williams Buchan Scholarship in Philosophy—P. E. Greene.

The Bingham Prize—F. A. Grissett.

The Mangum Medal—W. H. Bobbitt.

Elected to membership in the *Phi Beta Kappa Society*, 1921: Marshall Edgar Lake, President; Luther James Phipps, Secretary; James Neveland Brand, Jr., Roy Madoson Casper, Paul Elliott Greene, Ernest Otto Moehlmann, Marion Wesley Nash.

Elected to Associate membership in the *Society of Sigma XI*, 1921: Earnest Willie Atkins, Josiah Smith Babb, Paul Reber Dawson, Houston Spencer Everett, Walter Bryan Jones.

CERTIFICATES

French: T. J. Wilson, III.
German: H. G. Kincaid.
History: J. E. Banzet, Jr., C. T. Boyd, W. E. Wiles.
Zoology: C. D. Beers, H. S. Everett.

Honors in Language and Literature

H. C. Heffner.

STUDENTS (1920-1921)

GRADUATES

Adams, Raymond William, Elgin, Ill.
A.B., 1920, Beloit College, A.M., 1921. English.

Alexander, Clayton Brown, Matthews.
A.B., 1919, Davidson College. History and Government, Economics.

Bailey, Herbert Victor, Neuse.
A.B., 1916. Education, Sociology.

Beers, Charles Dale, Asheville.
A.B., 1921. Zoology.

Blount, William Augustus, Washington.
A.B., 1920. English, History and Government, Rural Economics.

Boyce, Henry Spurgeon, Tyner.
A.B., 1921. Geology, Chemistry.

Bradshaw, Francis Foster, Chapel Hill.
A.B., 1916. Philosophy.

Bradley, John Hodgdon, Jr., Dubuque, Iowa.
A.B., 1921, Harvard Univ., Geology.

Brooks, Frederick Philips, Kinston.
S.B., 1921. Chemistry, Physics.

Carmichael, William Donald, Jr., Durham.
S.B. in Com., 1921. Economics, Commerce.

Cobb, Mary Louisa, Chapel Hill.
A.B., 1921. Education.

Constable, Ernest William, Lake Landing.
B.S., 1921, N. C. State College of Agriculture and Engineering. Chemistry.

Couch, John Nathaniel, Chapel Hill.
A.B., 1919. Botany, Zoology.

Coxe, Frank, Asheville.
A.B., 1921, Yale University. Economics, Commerce.

Crockford, Horace Downs, Chapel Hill.
B.S., 1920, N. C. State College of Agriculture and Engineering. Chemistry.

Daniels, Jonathan Worth. Raleigh.
A.B., 1921. English.

Daugherty, John Fenton, Baltimore, Md.
A.B., 1921, Dickinson College. Physics.

Davis, James Blaine, Chapel Hill.
A.B., 1916, Wake Forest College. English, Mathematics.

Dickey, James Allen, Elon College.
A.B., 1912, Elon College. Sociology, Rural Sociology.

Edney, Calvin Ransome, Mars Hill.
A.B., 1920. History and Government, Rural Economics.

Giles, Isaac Vilas, Marion.
S.B., 1918, S.M., 1920. Chemistry, Physics.

Glenn, William Darby, Jr., York, S. C.
A.B., 1921. Psychology, German.

Grant, Daniel Lindsey, Snead's Ferry.
A.B., 1921. History and Government.

Green, Fletcher Melvin, Gainesville, Ga.
Ph.B., 1920, Emory University. History and Government.

Greene, Paul Elliott, Lillington.
A.B., 1921. English, Philosophy.
Hamilton, Thomas Hoffman, Chapel Hill.
A.B., 1907, Monmouth College. English.
Harmon, Minnie Etta, Durham.
A.B., 1914, Lynchburg College. Sociology.
Harrell, William Burruss, Chapel Hill.
S.B. in Com., 1921. Economics.
Heffner, Hubert Crouzé, Maiden.
A.B., 1921. English.
Highsmith, Edwin McKoy, Raleigh.
Ph.B., 1907, A.M., 1914, A. M., 1915, Peabody College. Education, Psychology.
Hill, Michael Arendell, Jr., Beaufort.
A.B., 1920 Mathematics, Civil Engineering.
Jobe, Levi Haywood, Mebane.
A.B., 1918. Education, Psychology, English.
Johnson, A. Theodore, Asheville.
A.B., 1914, Westminster College, M.A., 1917, Univ. of Va. English.
Latshaw, Harry Franklin, Chapel Hill.
A.B., in Educ. 1920, A. M., 1921. Psychology.
Lay, Elizabeth Atkinson, Beaufort.
A.B., 1919. English, Philosophy.
Ledford, Robert Newton, Hot Springs.
A.B., 1921. Education.
Lindsey, Edwin Samuel, Tryon.
A.B., 1919, A.M., 1921. English.
Lineberry, Richard Arthur, Siler City.
B.S., 1920, Guilford College. Chemistry.
Lohr, Burgin Edison, Lincolnton.
A.B., 1921. Geology, Chemistry..
Long, John Oglesby, Carrboro.
A.B., 1921, Trinity College. Sociology.
McCanless, Walter Frederick, Wadesboro.
Ph.B., 1904. English.
McClamrock, Roland Price, Greensboro.
A.B., 1920. English.
McFadden, John Holman, Jacksonville, Fla
A.B., 1921, Emory University. Psychology, Sociology.
McIver, Lulu Martin, Greensboro.
A.B., 1921, N. C. College for Women. English.
MacMillan, William Dougald, 3d, Wilmington.
A.B., 1918, A. M., 1920. English.
Morton, Roy Jay, Jacksonville.
A.B., 1920, Ellon College. Civil Engineering.
Moss, Cora Jenkins, Franklinton.
A.B., 1918, Trinity College. History and Government, Sociology
Naiman, Barnette, Greensboro.
S.B., 1921. Chemistry, Physics.
Neal, Naomi, Mullins, S. C.
A.B., 1918, N. C. College for Women. Chemistry, Zoology.
Odum, Anna Kranz, (Mrs. H. W. O.), Chapel Hill.
A.B., 1908, George Peabody College, A.M., 1909, Clark University. Sociology.

Paull, Norman Morton, Fairhaven, Mass.
S.B., 1893, Worcester Polytech. Inst. Economics, Commerce.
Sledd, Arthur Purefoy, Wake Forest.
B.S., 1916 and M.A., 1918, Wake Forest College. Chemistry.
Smith, Samuel Clement, Chapel Hill.
A.B., 1918, Guilford College, A.M., 1920. Chemistry, Physics.
Spruill, Mary James, Littleton.
A.B., 1921. English.
Stout, Wilbur White, Burlington.
A.B., 1921. English.
Sturdivant, Joanna, (Mrs. L. R. S.), Carrboro.
A.B., 1909, Carson and Newman College. Sociology.
Taylor, Haywood Maurice, Tarboro.
S.B., 1920, S. M., 1921. Chemistry, Physics.
Taylor, Tyre Crumpler, Sparta.
A.B., 1921. History and Government.
Thompson, Franklin, Jacksonville.
S.B. in Com., 1921. Economics, Commerce, Psychology.
Totten, Henry Roland, Chapel Hill.
A.B., 1913, A.M., 1914. Botany.
Van Landingham, Harry Sylvanus, West Point, Miss.
B.A., 1912 and M.A., 1916, Richmond College. Italian.
Wilson, Thomas, Rural Hall.
S.B. in Com., 1921. Economics, Commerce.
Wilson, Thomas James III, Chapel Hill.
A.B., 1921. French.
Wolff, Miles Hoffman, Concord.
A.B., 1919, Roanoke College. History and Government.
Woosley, John Brooks, Chapel Hill.
A.B., 1912, Guilford College, A. M., 1914, Haverford College. Economics.

SENIOR CLASS

Allred, James Hobart, A.B., Randleman.
Apple, Jackson Lafayette, A.B., Greensboro,
Atkinson, Wade Hampton, Jr., A.B., Washington, D. C.
Bacon, Frank Robbins, S.B. III, Charlotte.
Baity, Herman Glenn, A.B., 1917. S.B. III, Harmony.
Barden, John Glenn, A.B., Goldsboro.
Bardin, Benjamin Hume, A.B., Wilson.
Bardin, Robert Malcolm, A.B., Wilson.
Barefoot, William Jefferson, A.B., Benson.
Barr, Edward Wall, A.B., Winchester, Va.
Batts, Katherine Galloway, A.B., Tarboro.
Bender, John Alpheus, S.B. I, Polloksville.
Blair, Clarence Dorian, S.B. Com., Greensboro.
Bondurant, Stuart Osborne, S.B. Com., Leaksville.
Boyd, Robert Edwin, A.B., Gastonia.
Brand, James Neveland, Jr., A.B., Wilmington.

Braswell, James Craig, Jr., A.B., Rocky Mount.
Brewer, Joseph Beaman, A.B., Rocky Mount.
Brooks, Clyde Kennieth, S.B. I, Greensboro.
Brown, Bryant Council, A.B., Snead's Ferry.
Bullock, Henry Harrisson, S.B. V, Fuquay Springs.
Byrd, Dan, A.B., Calypso.
Carson, Robert Edward Lee, S.B. V, Bethel.
Carter, Emerson Leroy, A.B., Hickory.
Casper, Roy Madison, S.B. II, Salisbury.
Chappell, Harry Vaughn, A.B. Belvidere.
Clawson, James Pool, S.B. III, Beaufort.
Coffey, Carl Sylvester, S.B. Com., North Wilkesboro.
Coker, John Wiley, A.B., Rock Hill, S. C.
Cooper, Nina Horner, A.B., Oxford.
Cornelius, William Eugene, S.B. Com., Mooresville.
Corpening, Harold Cochran, A.B., Lenoir.
Davis, Robert Alexander, A.B., Bullock.
Denham, Adeline, A.B., Chapel Hill.
Dorsett, John Dewey, S.B. Com., Siler City.
Dula, Frederick Mast, A.B., Lenoir.
Edwards, Clayton, A.B., Sparta.
Edwards, McIver Williamson, A.B., Darlington, S. C.
Ellington, John Ogelthorpe, Jr., A.B., Clayton.
Falls, William Frank, A.B., Salisbury.
Finger, Gordon Turner, S.B. II, Charlotte.
Fischel, Louis William, S.B. III, Chester, S. C.
Fowler, Charles Worth, Jr., S.B. V, Greensboro.
Franklin, Burnie DeWitt, A.B. in Educ., Pyatt.
Gattis, Alice Lee, A.B., Chapel Hill.
Gorham, Mack Cutchin, A.B., Rocky Mount.
Gray, Paul Milton, S.B. II, Charlotte.
Grissette, Felix Alexander, A.B., Collettsville.
Hardin, John Haywood, Jr., S.B. Com., Wilmington.
Harris, Henry Clayton, A.B., Pike Road.
A.B., 1921.
Hayes, Nathaniel Perkinson, A.B., 1921. Wise.
S.B. III,
Hill, Annie Belle, A.B., Jackson, Tenn.
B.L. 1916, Flora Macdonald College.
Hill, George Watts, S.B. Com., Durham.
Horner, William Edwin, S.B. Com., Durham.
Jacobi, David Benthner, S.B. Com., Wilmington.
James, Andrew Ellerson, S.B. Com., Wilson.

Jennings, Earle DeWitt, S.B. I,	Charlotte.
Johnston, Rufus Manfred, S.B. Com.,	Gastonia.
Knox, Edward Montgomery, S.B. III,	Winton.
Lake, Marshall Edgar, S.B. II,	Charlotte.
Lay, Ellen Booth, A.B.,	Beaufort.
Lee, Charles Gaston, Jr., A.B.,	Asheville.
McClurd, Samuel Ralph, A.B.,	Cherryville.
McEwen, Joe Levy, S.B. I,	Charlotte.
McLean, Joseph Altira, A.B.,	Gibsonville.
MacMillan, Genevieve,, A.B.,	Red Springs.
A.B., 1911. Flora Macdonald College.	
Marshburn, Robert Franklin, A.B.,	Wallace.
Martin, Floyd Alexander, S.B. Com.,	East Bend.
Matthews, William Edwin, A.B.,	Chapel Hill.
Mecum, Ernest James, S.B. II,	Walkertown.
Merritt, Abram Haywood, S.B. Com.,	Mount Airy.
Mewborne, Edward Bruce, A.B.,	Kinston.
Milton, Leon Vincent, S.B. II,	Greensboro.
Moehlmann, Ernst Otto, S.B. I,	Conover.
Moore, William David, A.B.,	Wilson.
Mourane, Joseph Harley, S.B. I,	Greensboro.
Murchison, William Cannon, S.B. Com.,	Greensboro.
Murdock, Thomas Glenn, A.B.,	Salisbury.
Nash, Marion Wesley, S.B. Com.,	Winston-Salem.
Neville, Hubert, S.B. Com.,	Chapel Hill.
Nixon, Julian Granbery, A.B.,	Hertford.
Norwood, John, S.B. Com.,	Goldsboro.
Oden, John William, S.B. Com.,	Washington.
Oestreicher, Irwin Wallace, A.B.,	Salisbury.
Parcell, Harold Dawes, A.B.,	Tampa, Fla.
Parker, Charles Jackson, A.B.,	Raleigh.
Phipps, Luther James, S.B. III,	Chapel Hill.
Pickens, Wyatt Andrew, A.B.,	High Point.
Pickett, Howell Grady, S.B. I,	Madison.
Porter, Garland Burns, A.B.,	Kernersville.
Pressly, Joseph Lowry, S.B. II,	Charlotte.
Price, Mildred, A.B.,	Chapel Hill.
Pritchard, William Grady, S.B. Com.,	Chapel Hill.
Proctor, Robert Wright, A.B.,	Lumberton.
Pruden, Lina Tucker, A.B.,	Edenton.
Rand, Emmett Gladstone, A.B.,	Garner.
Rankin, Henry Ashby, A.B.,	Fayetteville.
Ranson, Paul Jones, A.B.,	Huntersville.

Scholl, James Lester, A.B.,	Holly Springs.
Shore, George Dewey, A.B.,	Yadkinville.
Smoot, William Brittingham, S.B. I,	Salisbury.
Sparger, Collier Bryson, S.B. Com.,	Mount Airy.
Steed, Thomas Warwick, S.B. Com.,	Richlands.
Stephenson, Irving Joseph, A.B.,	Angier.
Stevens, Elliott Walker, A.B.,	Warsaw.
Summey, Leo Deaton, A.B.,	Dallas.
Susman, Benjamin Louis, Jr., S.B. Com.,	Washington.
Sweetman, Edward Martin, Jr., S.B. Com.,	Knoxville, Tenn.
Taylor, Joseph White, S.B. III,	Oxford.
Taylor, Nelson Whitford, S.B. I,	Beaufort.
Ten, Sanfjord Brogdyne, A.B.,	Godwin.
Thompson, Earl Hinson, S.B. Com.,	Kenansville.
Thompson, Frank Thornber, A.B.,	Asheville.
Tillman, Reginald Archibald, S.B. II,	Kinston.
Toy, Jane Bingham, A.B.,	Chapel Hill.
Van Landingham, Ralph, Jr., A.B.,	Charlotte.
Warren, Jack, S.B. Com.,	Washington.
Warren, Thomas Lafayette, A.B.,	Lenoir.
Watson, George Curtis, S.B. Com.,	Enfield.
Wearn, James Sims, S.B. III,	Charlotte.
Wearn, Robert Morrison, S.B. II,	Charlotte.
Wells, Dare Abernethy, S.B. II,	Asheville.
Whedbee, Silas Martin, A.B.,	Hertford.
White, Robert Benjamin, S.B. Com.,	Concord.
Whitener, Daniel Jay, A.B.,	Hickory.
Wilkins, Alger Bright, A.B.,	Linden.
Williams, Claude James, A.B.,	Concord.
Wilson, Lawrence Girard, A.B.	Dunn.
Wolf, Walter Efroymson, S.B. Com.,	Indianapolis, Ind.
Woodall, Junius Cheston, S.B. Com.,	Charlotte.
Wooten, Sterling Dillon, S.B. Com.,	Goldsboro.
Wright, Thomas Ewell, A.B.,	Newton.
Yellott, Mary Traill, A.B.,	Bel Air, Md.

JUNIOR CLASS

Alexander, Edward Johnston, S.B. V,	New York, N. Y.
Allen, Sallie, A.B.,	Warrenton.
Anderson, William Puryear, A.B.,	Wilson.
Angel, Thomas Weldon, S.B. II,	Franklin.
Ashford, Charles Hall, A.B.,	New Bern.
Aydlett, Wyatt Rudolph, S.B. Com.,	Elizabeth City.

Barefoot, Nathan Carl, A.B.-LL.B.,	Benson.
Barnes, John Thomas, A.B.,	Wilson.
Barnes, John Thomas, Jr., A.B.,	Wilson.
Battle, Newsom Pittman, S.B. IV,	Tarboro.
Beale, Jesse Jordan, A.B.,	Potecasi.
Bell, Robert Purdy, A.B.,	Concord.
Bellamy, Clayton Giles, A.B.,	Wilmington.
Boddie, William Croom, S.B. II,	Nashville.
Bowles, Garvin, S.B. Com.,	Winchester, Va.
Boyd, Catharine Cole, A.B.,	New Bern.
Bradford, John Hugh, A.B.,	Huntersviile.
Brogden, Mildred Cora, A.B.,	Calypso.
Brown, John McKinley, A.B.,	Wilkesboro.
Brown, Paul High, S.B. Com.,	Chapel Hill.
Brown, Roy Eugene, A.B.,	Statesville.
Brown, William Lee, S.B. I,	Guilford College.
Bruton, Gaston Swindell, A.B.,	Newport.
Bryson, Herman Jennings, A.B.,	West Asheville.
Buckalew, Vardaman Moore, S.B. Com.,	Roanoke, Ala.
Burleson, Milton English, S.B. Com.,	Erwin, Tenn.
Butler, Daniel Clifton, A.B.,	Rowland.
Capel, Arron Leon, S.B. Com.,	Troy.
Carroll, Curtis Calvin, A.B.,	Mizpah.
Cathcart, John Harris, A.B.,	Winnsboro, S. C.
Cathey, Samuel Murston, A.B.-LL.B.,	Biltmore.
Cathey, Wilson, A.B.,	Charlotte.
Cheesborough, John Cheesborough, A.B.,	Asheville.
Cochran, Frederick Cline, S.B. I,	Charlotte.
Collins, James Chase, S.B. I,	Catharine Lake.
Comer, William Ernest, A.B.,	New Castle.
Cooper, Junius Horner, A.B.,	Oxford.
Cooper, Marshall Young, S.B. Com.,	Henderson.
Craig, Raymond Lee, S.B. Com.,	Greenwood, Miss.
Crawford, Robert Baker, Jr., S.B. Com.,	Winston-Salem.
Cuningham, Henry Carrington, A.B.,	Greensboro.
Cutlar, Lillie Fielding Poisson, S.B. I,	Winston-Salem.
Daniels, Stephen Fowler, S.B. Com.,	New Bern.
Dellinger, Everette Edward, S.B. II,	Cherryville.
Denny, George Vernon, S.B. Com.,	Chapel Hill.
Dickson, George Graham, A.B.,	Raeford.
Doggett, Howard Hugh, S.B. Com.,	Forest City.
Donnelly, Grant Lester, S.B. IV,	Durham.
Doughton, Joseph Edwards, S.B. II,	Guilford College.

Downing, Augustus Owens, A.B.,	Norfolk, Va.
Dry, Charlie Harold, S.B. Com.,	Concord.
Duncan, Annie Virginia, A.B.,	Beaufort.
Duncan, David Dudley, A.B.,	Beaufort.
Eagles, John Bruce, A.B.,	Walstonburg.
Edwards, Preston Hampton, A.B.,	Darlington, S. C.
Ellis, Henri Bruce, A.B.,	Winston-Salem.
Engstrum, Edgar Francis, S.B. III,	Washington, D. C.
Epstein, Leonard, S.B. Com.,	Goldsboro.
Essie, Abdo Frank, A.B.,	Chapel Hill.
Everett, James LeGrand, Jr., S.B. Com.,	Rockingham.
Feild, David Meade, Jr., A.B.,	Hertford.
Felton, Robert Lee, Jr., A.B.,	Fayetteville.
Fleming, Charles Clyde, S.B. Com.,	Fuquay Springs.
Gaither, William Hayes, A.B.,	Elizabeth City.
Gattis, William Floyd, S.B. Com.,	Louisburg.
Gay, Ballard Spruill, A.B.,	Jackson.
Gentry, James Walter, S.B. II,	Jefferson.
Graham, Thomas Pegram, S.B. Com.,	Charlotte.
Grant, Freeman Augustus, A.B.,	Snead's Ferry.
Gray, Robert Lilly, Jr., A.B.,	Newport News, Va.
Greenlaw, Dorothy Durland, A.B.,	Chapel Hill.
Griffith, Robert Henry, S.B. Com.,	Charlotte.
Grose, Willie Clay, A.B.,	Loray.
Gullick, Jonathan Greene, A.B.,	Belmont.
Gunter, Truss Bostick, S.B. III,	Sanford.
Hamer, Douglas, Jr., A.B.,	McColl, S.C.
Hamilton, Martha, A.B.,	Chapel Hill.
Hamrick, Forrest Wylie, S.B. Com.,	Shelby.
Hannah, William Tucker, A.B.,	Waynesville.
Harding, William Knowlton, S.B. II,	Charlotte.
Harmon, John Obie, A.B.,	Pittsboro.
Havner, Alfred Sidney, S.B. Com.,	Rutherford College.
Hendrix, Olin Carlton, A.B.,	Advance.
Highsmith, Jacob Frank, Jr., A.B.,	Fayetteville.
Hill, Gerald Danforth, S.B. Com.,	Beaufort.
Holderness, Howard, A.B.,	Tarboro.
Holt, William Preston, Jr., S.B. IV,	Duke.
Honeycutt, Gilbert Mansfield, S.B. Com.,	Chapel Hill.
Howard, Thomas Simmons, S.B. Com.,	Pink Hill.
Humphrey, Barney Edison, S.B. II,	Wilmington.
Hunt, Edwin Clyde, A.B.,	Lexington.
Hunt, George Penn, S.B. Com.,	Oxford.

Huss, Webb Hunter, A.B.,	Cherryville.
Ives, Claude Leon, A.B.,	Grifton.
Jernigan, Ernest Casper, A.B.,	Benson.
Johnson, Elliott Wesley, S.B. IV,	Kipling.
Johnson, Joe Lewis, S.B. IV,	Apex.
Kendrick, Haywood Benjamin, A.B.,	Cherryville.
Kerr, James Yancey, A.B.,	Warrenton.
Kesler, Bernie Barton Calhoun, A.B.,	Salisbury.
Koontz, Rufus Gwyn, S.B. II,	Mocksville.
Lankford, Greene Wright, A.B.,	Harmony.
Lemmond, Walker Avery, S.B. Com.,	Matthews.
Leonard, Grady Hill, S.B. I,	Lexington.
Lillycrop, William Arthur, A.B.,	Charlotte.
Linker, William Murray, A.B.,	Salisbury.
Linney, Romulus Lack, A.B.,	Charlotte.
Little, James Thomas, A.B.,	Greenville.
Little, Thomas Arthur, A.B. in Ed.,	Marshville.
Llorens, Fernando, S.B. IV,	Santiago, Cuba.
London, William Lord, S.B. Com.,	Pittsboro.
Long, Zachary Fillmore, A.B.,	Rockingham.
Lyerly, William Richard, S.B. Com.,	Asheville.
McAuley, Olin Caldwell, S.B. Com.,	Huntersville.
McDonald, Angus Morris, Jr., A.B.,	Charlotte.
McDowell, Archibald, Jr., A.B.,	Scotland Neck.
McGee, Alan Marshall, S.B. Com.,	Goldsboro.
McLennan, Daniel Commie, S.B. Com.,	Chapel Hill.
McNeill, George Vernon, S.B. Com.,	Lumberton.
Mahler, Carl Kampen, S.B. Com.,	Wilmington.
Martin, Oscar Eugene, S.B. III,	East Bend.
Matthews, Charles Irving, A.B.,	Clinton.
Matthews, Stanley Edison, A.B.,	Turkey.
Matthews, Stanford Thomas, S.B. Com.,	Clinton.
Mauney, Carl Glenn, S.B. II,	Maiden.
Maxwell, Samuel Worth, A.B.,	Charlotte.
May, Reginald Cameron, S.B. III,	Lenoir.
Mendenhall, John Henry, A.B.,	Greensboro.
Merritt, Carol Zola, A.B.,	New Bern.
Mitchum, William Clayton, A.B.,	Kannapolis.
Moore, Clifton Leonard, A.B.-LL.B.,	Burgaw.
Moore, William Curtis, S.B. II,	Statesville.
Morris, Roy Wilson, S.B. Com.,	Gastonia.
Moser, Artus Monroe, A.B.,	Swannanoa.
Neville, Grace, A.B.,	Chapel Hill.

Parham, Erwin Fuller, S.B. Com.,	Henderson.
Parham, Samuel Jones, Jr., A.B.,	Louisburg.
Parker, William Vann, A.B.,	Monroe.
Pendergraft, Pearl, A.B.,	Chapel Hill.
Penn, May Belle, A.B.,	Greensboro.
Perry, Charles Herman, A.B.,	Balsam.
Phillips, Laurence Vermeule, S.B. I,	Columbia, S. C.
Poindexter, Charles Crawford, A.B.-LL.B.,	Franklin.
Price, Ralph Clay, A.B.,	Greensboro.
Purrington, Philip Parker, A.B.,	Scotland Neck.
Ragsdale, James Edward, S.B. Com.,	Florence, S.C.
Rand, Cecil Holmes, S.B. IV,	Garner.
Ranson, Robert Lacy, S.B. Com.,	Huntersville.
Reavis, Peter Augustus, Jr., S.B. Com.,	Louisburg.
Rhue, Jesse Robert, A.B.,	Stella.
Rike, Robert Clayton, S.B. II,	Randleman.
Ross, Harold Lacy, S.B. II,	Greensboro.
Shepard, Norman Westbrook, S.B. Com.,	Wilmington.
Shepard, Thomas Harrison, S.B. II,	Edenton.
Shirley, Ernest Raeford, S.B. Com.,	Snow Hill.
Smith, Cecil Cline, A.B.,	Dunn.
Smith, Calvin Upshur, S.B. II,	Capron, Va.
Smith, Nathaniel McNair, A.B.-LL.B.,	Raeford.
Smith, William Leonidas, S.B. IV,	Greensboro.
Spain, Jack Holland, A.B.-LL.B.,	Greenville.
Spaugh, Ralph Edward, S.B. Com.,	Winston-Salem.
Stephenson, Charles Henry, Jr.,	Raleigh.
Stoudemire, Sterling Aubrey, A.B.,	Spencer.
Stout, George Richard, S.B. I,	Julian.
Stribling, John William, A.B.,	Atlanta, Ga.
Stroud, Annie, A.B.,	Chapel Hill.
Stroupe, Christopher Rush, S.B. II,	Altamont.
Stroupe, Francis Lee, A.B.,	Altamont.
Swann, Edward Lyle, S.B. III,	Dandridge, Tenn.
Swink, Hearne S.B. Com.,	China Grove.
Thomas, Thomas Kent, S.B. I,	Lenoir.
Thompson, Edward Arthur, S.B. II,	Greensboro.
Thompson, Ernest Haynes, A.B.,	Goldsboro.
Thompson, Russell Aubrey, S.B. II,	Wilson.
Thompson, Robert Love, Jr., A.B.,	New York, N. Y.
Transou, William Monford, S.B. Com.,	Greensboro.
Turner, Thomas, Jr., A.B.,	High Point.
Uzzell, Lula Valeria, A.B.,	Chapel Hill.

Uzzell, Pauline, A.B.,	Chapel Hill.
Vaughn, Henry Asbury, S.B. II,	Winston-Salem.
Venable, Frances Preston, A.B.,	Chapel Hill.
Venters, Leon Stephens, A.B.,	Richlands.
Voorhees, Walker Clark, A.B.,	Gibsonville.
Wade, Julius Jennings, A.B.,	Dunn.
Watson, Robert Alfred, A.B.,	Atmore, Ala.
Whitaker, Harry Foote, S.B. II,	Philadelphia, Pa.
Willard, Edward Payson, Jr., A.B.,	Wilmington.
Williams, Colon Edgar, S.B. Com.,	Benson.
Williams, Woodward White, S.B. Com.,	Durham.
Wood, James Edward, S.B. III,	Edenton.
Worsham, Blackburn Buford, A.B.-LL.B.,	Reithbend, Va.
Yates, Jesse Graves, S.B. Com.,	Asheville.
Young, Victor Vernon, A.B.,	Durham.
Youngblood, Samuel Herbert, S.B. Com.,	Charlotte.

SOPHOMORE CLASS

Abernethy, William Borden, S.B. IV,	Chapel Hill.
Abramowitz, Jacob Bernard, S.B. Com.,	Wilmington.
Adams, James Ervin, S.B. Com.,	Hamlet.
Adickes, Withers, S.B. II,	York, S. C.
Alexander, James Ramsay, S.B. II,	Charlotte.
Allsbrook, Julian Russell, A.B.-LL.B.,	Roanoke Rapids.
Ambler, John Vernon, A.B.,	Asheville.
Andrews, Claud Miller, A.B.,	Schoolfield, Va.
Andrews, Elva Dare,, A.B.,	Chapel Hill.
Armfield, Britt Millis, S.B. Com.,	Ashboro.
Atkinson, Samuel Hugh, S.B. Com . ,	Siloam.
Ausband, George Alonzo, S.B. III,	High Point.
Aycock, Charles Pinkney, Jr., A.B.,	Pantego.
Barnette, Walker, A.B.,	Huntersville.
Baum, Alton Emmitte, A.B.,	Fairfield.
Baum, Edward Ossian, A.B.,	Poplar Branch.
Beaudry, Francis Earl, S.B. II,	Winston-Salem.
Bennett, John Trenholm, A.B.,	Wadesboro.
Bethea, James McRae, A.B.,	Dillon, S.C.
Birkhead,, John Watson, Jr., S.B. Com.,	Ashboro.
Blackwelder, Dwight McNairy, S.B. Com.,	Lenoir.
Blount, James Davis, A.B.,	Wilson.
Boney, Paisley, Jr., S.B. Com.,	Goldsboro.
Bostick, Seth, S.B. Com.,	Charlotte.
Bowden, Bernice Saunders, A.B.,	Burgaw.

Bowman, Ernest Franklin, S.B. II,	Newton.
Boyles, Alfred, S.B. I,	Rock Hill, S. C.
Bradley, Augustus, Jr., A.B.,	Burlington.
Bradley, James Albert, S.B. Com.,	Florence, S. C.
Bradley, William Maxwell, A.B.,	Rocky Mount.
Branch, James Stafford, S.B. Com.,	Enfield.
Britt, Charles Rudolph, A.B.,	Lumberton.
Brody, Louis Jules, S.B. Com.,	Ansonia, Conn.
Brown, Dalma Adolph, A.B.,	Jamesville.
Brown, Gordon, S.B. III,	Elkin.
Brown, Leland Preston, A.B.,	Niantic, Conn.
Browne, Vernon Weaver, A.B.,	Asheville.
Burns, Thomas Alexander, A.B.,	Ashboro.
Burton, John Henry, S.B. Com.,	Reidsville.
Butler, Allen Dexter, A.B.,	Liberty.
Butler, Edward Knox, S.B. Com.,	St. Pauls.
Butt, William Harold, S.B. II,	Bonnerton.
Capps, Henry Samuel,, A.B.,	Hendersonville.
Cardwell, Maurice Wayland, S.B. Com.,	Winston-Salem.
Carmichael, Richard Cartwright, A.B.,	Durham.
Cates, Clarence Columbus, A.B.,	Edenton.
Cates, John William, S.B. Com.,	Edenton.
Caton, George Adam, Jr., S.B. IV,	New Bern.
Caudle, Elvin Bailey, A.B.,	West Raleigh.
Chaney, John Francis, S.B. II,	Chester, S. C.
Charles, William John, S.B. I,	Darby, Pa.
Chase, Arthur Sloan, S.B. III,	Georgetown, Mass.
Clark, John Edmund Duncan, S.B. Com.,	Wilmington.
Clark, William Alexander, S.B. IV,	Fayetteville.
Cobb, Robert Bryan, A.B.,	Fremont.
Coble, Floyd Garland, S.B. IV,	Greensboro.
Coffey, John Nelson, S.B. III,	Raleigh.
Coggeshall, Berryman Edwards, A.B.,	Darlington, S. C.
Cohen, Marx Edwin, Jr., S.B.I,	Florence, S. C.
Coley, Carl Younger, A.B.-LL.B.,	Rockingham.
Colton, Cullen Bryant, A.B.,	Florence, Mass.
Cooper, David Jackson, A.B.,	Henderson.
Corbitt, David Leroy, A.B.,	Greenville.
Corey, Joseph Preston, A.B.,	Winterville.
Correll, Henry Nichols, S.B. I,	Spartanburg, S. C.
Cowan, Cecil Edmund, A.B.,	Windsor.
Cozart, Ula Hubert, A.B.,	Wilson.
Crisp, George Rountree, S.B. Com.,	Kinston.

Crisp, Roby Bowman, S.B. Com.,	Lenoir.
Dalton, Bennie Booker, A.B.,	Red Springs.
Darden, Robert Davis, A.B.,	Wilmington.
Daughtry, Earl McCoy, S.B. II,	Roanoke Rapids.
Deans, James Elliott, S.B. Com.,	North Wilkesboro.
Dixon, William Thomas, S.B. Com.,	Kinston.
Dowd, Alton Lawrence, A.B.,	Candor.
Doyle, Wilson Keyser, A.B.,	Charlotte.
Duls, Henry Davis, A.B.,	Charlotte.
Dunn, William Edwin, S.B. Com.,	Kinston.
Eaves, Rupert Spencer, A.B.,	Rutherfordton.
Efird, Abner Bahnson, A.B.,	Winston-Salem.
Epstein, Henry George, A.B.,	Goldsboro.
Ervin, Hugh Tate, S.B. III,	Morganton.
Eutsler, Roland Byerly, S.B. Com.,	Charlottesville, Va.
Evans, Atha West, S.B. IV,	Dover.
Farrell, Henry Darrow, A.B.,	Parkton.
Faucette, William Jenkins, A.B.,	Durham.
Feagan, Archie Alexander, A.B.,	Columbus.
Ferree, Ralph Shafter, S.B. Com.,	Ashboro.
Fetter, Edgar Minton, A.B.,	Greensboro.
Fields, Cecil McKinzy, S.B. Com.,	Pleasant Garden.
Fish, Gerald Rankin, A.B.,	Clyde.
Flintom, Charles Woods, S.B. I,	Cullowhee.
Fogleman, Howard Simpson, S.B. Com.,	Burlington.
Fortesque, Zachariah Thomas, A.B.,	Scranton.
Fountain, Bracey Frederick, A.B.,	Tarboro.
Foushee, John McIver, S.B. III,	Greensboro.
Freeman, Joseph Franklin, A.B.,	Spencer.
Freeman, James Newton, A.B.,	Dobson.
Freeman, Orville William, S. B. 11,	West Orange, N. J.
Fulton, William Forrest, A.B.,	Winston-Salem.
Gambill, Walter James, A.B.,	Piney Creek.
Gaskins, Joseph Reid, S.B. Com.,	Greenville.
Gattis, Lillian Foushee, A.B.,	Chapel Hill.
Giersch, Otto Lumley, S.B. II,	Raleigh.
Gilbert, John Neely, S.B. III,	Statesville.
Gillon, Baxter Monroe, Jr., S.B. Com.,	Concord.
Glover, Francis Overstreet, S.B. IV,	Salisbury.
Graham, Daniel Luther, S.B. Com.,	Red Springs.
Green, Julius Alpheus, S.B. Com.,	Thomasville.
Green, Winton Wallace, S.B. Com.,	Wilmington.

Greenwood, Clyde Piercy, A.B.,	Asheville.
Gregg, James Murphy, A.B.-LL.B.,	Burlington.
Gregory, John Tillery, A.B.,	Salisbury.
Griffin, Josiah Harold, S.B. Com.,	Wendell.
Griffith, John Hammond, Jr., S.B. Com.,	Asheville.
Gwynn, William Wardlaw, A.B.,	Leaksville.
Haizlip, James Otis, A.B.,	Alberta, Va.
Hall, John Perry, A.B.,	Oxford.
Hamrick, Howard Pinkey, A.B.,	Shelby.
Hardin, Eugene Brooks, A.B.,	Wilmington.
Harding, Franklin Daniel Boone, A.B.,	Yadkinville.
Hare, Ransom Bryant, Jr., A.B.,	Florence, S. C.
Hartsell, Earl Horace, A.B.,	Stanfield.
Hauser, Forest Melville, A.B.,	Cherryville.
Hayes, Leonard Oscar, A.B.,	Fremont.
Hedrick, Edward Lawrence, A.B.,	Taylorsville.
Hedrick, Ottis Leo, S.B. Com.,	Lenoir.
Herrick, Howard Jay, Jr., S.B. Com.,	Williamston.
Hill, Vernon Allen, A.B.,	Polkton.
Hobbie, Sherwood Eugene, S.B. Com.,	Clayton.
Holderness, William Henry, A.B.,	Tarboro.
Holshouser, Charles Augustus, S.B. IV,	Salisbury.
Holshouser, Hoy, A.B.	Winston-Salem.
Honeycutt, Charles Bailey, A.B.,	Raleigh.
Hunt, Lynn Ross, S.B. Com.,	Pleasant Garden.
Hunt, William Baker, Jr., S.B. Com.,	Pleasant Garden.
Hunter, William Frank, S.B. Com.,	Statesville.
Iceman, Charles, Jr., S.B. Com.,	Monroe.
Irvin, Edwin Newell, S.B. Com.,	Charlotte.
Isenhour, Robert Rufus, S.B. Com.,	Concord.
Jacocks, Thomas Baker, Jr., S.B. II,	Tarboro.
Jarman, Bernard Thompson, S.B. Com.,	Burlington.
Johnson, Blackburn Wilson, A.B.,	Gastonia.
Johnson, Eugene Joseph, A.B.,	Burgaw.
Johnson, Herbert Eugene, A.B.,	High Point.
Johnson, Seymour Anderson, S.B. Com.,	Goldsboro.
Johnson, Alfred Arrington, S.B. II,	Rocky Mount.
Johnson, Claude Stuart, S.B. III,	Belhaven.
Jones, Wilber, S.B. Com.,	High Point.
Kenney, Stephen Etheridge Winston, S.B. III,	Windsor.
Kesler, John C., A.B.,	Salisbury.
Knox, Augustus Washington, Jr., S.B. IV,	Raleigh.
Laney, Emsley Armfield, S.B. Com.,	Monroe.

Lassiter, Leroy Irwin, S.B.III,	Rich Square.
Lee, James Lovette, A.B.,	Mount Olive.
Leggett, William Thomas, A.B.,	Tarboro.
Liles, Nelson Prentiss, A.B.,	Lilesville.
Lindgren, Powell Todd, S.B. Com.,	Charlotte.
Lineberger, Henry Abel, S.B. Com.,	Belmont.
London, Arthur Hill, Jr., S.B. IV,	Pittsboro.
McCain, William Frank, A.B.,	Waxhaw.
McCall, Johnson Vannoy, A.B.,	Charlotte.
McClamroch, James Robbins, Jr., A.B.,	Greensboro.
McCraw, James Thomas, A.B.,	Wilson.
McFayden, Paul Rutherford, Jr., S.B. IV,	Concord.
McGalliard, John Calvin, A.B.,	Chapel Hill.
McGlaughon, Frank Edmund, S.B. Com.,	Wilmington.
McIntyre, Lawrence Fuller, S.B. II,	Goldsboro.
McKie, Elizabeth Frances, A.B.,	Chapel Hill.
McLean, James Stedman, A.B.-LL.B.,	Lillington.
McMurry, Ernest Logan, A.B.,	Columbus.
McNairy, Charles Banks, Jr., S.B. IV,	Kinston.
McNairy, Roy Crump, S.B. Com.,	Kinston.
MacRae, Charles Broadfoot, S.B. Com.,	Fayetteville.
Mangum, Ernest Preston, S.B Com.,	Kinston.
Mann, Frank Bascomb, A,B.,	Chapel Hill.
Martin, Edward Lane, S.B. I,	Charlotte.
Martin, Norman, A.B.,	Asheville.
Mason, Charles Edgar, A.B.,	Kings Mountain.
Mast, James Brady, A.B.,	Mast.
Matthews, Pierce Yarrell, S.B. Com.,	Black Mountain.
May, Ben, Jr., S.B. Com.,	Sanford.
Mebane, William Marion, A.B.,	Newton.
Meekins, Percy Wilbur, S.B. Com.,	Manteo.
Midgette, Samuel Buxton, A.B.,	Jackson.
Miller, Alexander Augustus, Jr., S.B. Com.,	Goldsboro.
Milstead, Andrew Dallam, A.B.,	Charlotte.
Moore, Charles Allen, A.B.,	Charlotte.
Moore, Leonidas Holt, A.B.,	Faison.
Moore, Larry Ichabod, Jr., A.B.,	New Bern.
Morgan, Francis Greer, A.B.,	Burlington.
Murphy, George Moseley, S.B. I,	Wilmington.
Neiman, Abe Bernard, A.B.,	Charlotte.
Newby, George Edgar, Jr., A.B.,	Hertford.
Norfleet, Charles Edward, S.B. Com.,	Winston-Salem.
Orr, Albert Summey, S.B. Com.,	Charlotte.

Overman, Donald Etheldred, S.B. Com.,	Stantonsburg.
Parham, Scott Parker, S.B. Com.,	Henderson.
Patton, George Tazewell, Jr., A.B.,	Darlington, S. C.
Peebles, Marion Wooten, S.B. Com.,	Lawrenceville, Va.
Peeler, Clifford Alexander, S.B. Com.,	Salisbury.
Pegram, John David, S.B. Com.,	Jonesboro.
Pemberton, Heath Lee, S.B. Com.,	Concord.
Pendergrass, Edward Julien, A.B.,	Florence, S. C.
Perkins, James Vance, S.B. Com.,	Stokes.
Petree, Samuel Elmer, A.B.,	Danbury.
Pless, Edwin Justice, S.B. II,	Marion.
Plyler, Dwight, S.B. III,	Monroe.
Pollard,William Albert, S.B. Com.,	Farmville.
Prescott, Colie Eugene, S.B. Com.,	Grantsboro.
Presnell, Wilmer Carr, S.B. Com.,	Ashboro.
Purser, John Raymond, Jr., S.B. II,	Charlotte.
Quinn, Ray Ellis, S.B. Com.,	Elizabeth City.
Ragsdale, George Young, A.B.,	Smithfield.
Ransom, Murphy Dale, S.B. Com.,	Huntersville.
Raper, Arthur Franklin, A.B.,	Welcome.
Raper, John Elisha, S.B. Com.,	Linwood.
Ray, Baxter Bryant, A.B.,	Selma.
Ray, Fred Chamberlain, S.B. II,	Leaksville.
Ray, John Sherman, A.B.,	Haw River.
Redwine, Thomas Worth, S.B. Com.,	Monroe.
Reid, Charles Lewis, A.B.,	Rutherfordton.
Reitzel, John Brooks, S.B. Com.,	High Point.
Reynolds, Hal Kearns, S.B. Com.,	High Point.
Ritchie, William Alexander, S.B. Com.,	Concord.
Roberts, Gratz Linwood, S.B. IV,	Fairfield.
Rollins, Eugene Marvin, Jr., S.B. I,	Henderson.
Russell, Dorothy, A.B.,	Chapel Hill.
Sanders, William Marsh, S.B. Com.,	Smithfield.
Schneider, Leon Irving, S.B. Com.,	Gastonia.
Schwartz, Benjamin, S.B. Com.,	Charlotte.
Sellers, William Watson, S.B. Com.,	Burlington.
Sevier, Joseph Thomas, Jr., A.B.,	Asheville.
Seyffert, George Francis, S.B. II,	Elizabeth City.
Shackell, Aubrey Earle, A.B.,	Elizabeth City.
Shepard, Robert Parker, S.B. Com.,	Rockingham.
Shepherd, Malcolm Lauchlin, A.B.,	Burlington.
Shuford, William Talmage, A.B.,	Spencer.
Siewers, Charles Nathaniel, A.B.,	Winston-Salem.

Slade, James Jeremiah, Jr., S.B. III,	Mexico City, Mexico.
Smith, Charles Fitzhugh, S.B. II,	Mount Airy.
Smith, Edwin Bretney, A.B.,	Asheville.
Smith, John Elba, S.B. IV,	Pilot Mountain.
Smith, William Edward, A.B.,	Scotland Neck.
Smith, William Gordon, S.B. IV,	Faison.
Somers, William Fletcher, S.B. Com.,	Salisbury.
Spaugh, Frederick Miller, S.B. II,	Winston-Salem.
Speck, Thomas Wells, S.B. Com.,	York, S. C.
Spencer, Charles Edwards, A.B.,	Rosemary.
Stalvey, Archie Boyd, Jr., S.B. IV,	Roxboro.
Stanton, John Colfax, Jr., S.B. Com.,	Stantonsburg.
Starnes, Jesse Russell, A.B.,	Asheville.
Stauber, Leslie Edwin, A.B.,	Rural Hall.
Stephens, George, S.B. V,	Birmingham, Ala.
Stuart, George Shamburger, S.B. II,	Troy.
Sumner, John David, S.B. II,	Franklinville.
Sykes, Glenn Turner, S.B. Com.,	Efland.
Sylvester, Richard Durward, A.B.,	Richlands.
Tanner, Jesse Spencer, S.B. Com.,	Rutherfordton.
Taylor, Leon Bayard, S.B. Com.,	Pikeville.
Thompson, George Butler, S.B. Com.,	Southport.
Thompson, George West, Jr., S.B. Com.,	Goldsboro.
Thompson, Mary Elizabeth, A.B.,	Chapel Hill.
Thompson, Paul McKinley, A.B.,	Chapel Hill.
Thompson, Wimbourne, S.B. II,	Winston-Salem.
Timberlake, Julius Poindexter, Jr., Com.,	Louisburg.
Tyson, Thomas Burwell, A.B.,	Greenville.
Tyson, William Sherrod, S.B. Com.,	Carthage.
Waddill, William Baxter, S.B. Com.,	Henderson.
Walford, Walter Thomas, A.B. in Ed.,	Roanoke Rapids.
Wall, Thomas Diggs, S.B. Com.	Pee Dee.
Ward, David Livingstone, Jr., A.B.,	New Bern.
Waters, Jay Shirley, S.B. IV,	Mooresville.
Watkins, Straughn Henly, S.B. Com.,	Henderson.
Watson, Harold Lawrence, S.B. Com.,	Clio, S. C.
Weaver, Robert Sessoms, S.B. V,	Rich Square.
Weil, Abram, A.B.,	Goldsboro.
Wells, John Thomas, S.B. Com.,	Burgaw.
West, Jasper Daniel, S.B. IV,	Kinston.
Wheeler, William Couch, S.B. Com.,	Chapel Hill.
White, Jarrett Andrew, A.B.,	Whitakers.
White, James Franklin, S.B. Com.,	Oxford.

White, William Dabney, A.B.,	Beaufort.
White, William Dunlop, S.B. III,	Burlington.
White, William Edgar, Jr., S.B. Com.,	Louisburg.
White, William Elliott, A.B. in Ed.,	Shelby.
Whitehurst, Virgil Norman, A.B.,	Bethel.
Whitley, Elbert Lee, S.B. IV,	Albemarle.
Wilkinson, Marcus Alexander, S.B. Com.,	Winston-Salem.
Williams, Lloyd Preston, S.B. Com.,	Pee Dee.
Williamson, Weldon Edwards, S.B. II,	Asheville.
Wolfe, Frank James, S.B. Com.,	Alamogordo, N. M.
Woodard, James Edwin, A.B.,	Wilson.
Woodard, Thomas Hadley, A.B.,	Wilson.
Workman, Frank Leslie, S.B. I,	Burlington.
Wynne, George Bennett, S.B. III,	Baltimore, Md.
Youngblood, Norman Edgar, Jr., S.B. Com.,	Fayetteville.
Zollicoffer, John Hilliard, A.B.,	Henderson.

FRESHMAN CLASS

Adams, Franklin LeVerne, A.B.,	Rowland.
Adams, Levi Whitaker, A.B.,	Andrews.
Adkins, Robert Franklin, A.B.,	Stoneville.
Albright, John E., A.B.,	Winston-Salem.
Alexander, Carl Barnhart, S.B. Com.,	Liberty.
Allen, Walter Daniel, A.B.,	Weldon.
Alsop, William Strother, A.B.,	Enfield.
Ambrose, Howard Wilson, S.B. Com.,	Conway, S. C.
Andrews, Harry Smith, S.B. IV,	Tarboro.
Apple, Elbert Dwight, A.B.,	Reidsville.
Armfield, Eugene Morehead, A.B.,	Greensboro.
Arnold, Clyde Randolph, S.B. IV,	Neuse.
Atkinson, Frank Clayborn, S.B. Com.,	Asheville.
Atwater, John Wilson, S.B. Com.,	Burlington.
Austin, Henry Purrington, Jr., S.B. Com.,	Hamlet.
Austin, Truman Bostick, S.B. Com.,	Raeford.
Avent, Ben Rush, S.B. Com.,	Jonesboro.
Aydlett, Nathaniel Elton, A.B.,	Elizabeth City.
Bacon, Zachariah Hampton, S.B. Com.,	Stem.
Baer, Charles Franklin, S.B. Com.,	Durham.
Baker, Blair Eugene, S.B. Com.,	Lawndale.
Ballenger, Stanley Thomas, A.B.,	Tryon.
Ballew, William Harvey, S.B. Com.,	Hickory.
Banks, Ernest Lee, S.B. Com.,	Winton.
Barringer, John Coyte, A.B.-LL.B.,	Maiden.

Barrington, James McLean, A.B.,	Gibson.
Barton, Charles Grigsby, Jr., S.B. III,	Earle, Ark.
Bass, Luther Thomas, A.B.,	Garysburg.
Batchelor, Mott Jerome, A.B.,	Jonesboro.
Beal, Richard Troy, S.B. Com.,	Red Oak.
Beaman, Chester Thomas, S.B. Com.,	Snow Hill.
Beaty, Elbert Carroll, S.B. I,	Mooresville.
Bell, Francis Murdock, S.B. II,	Salisbury.
Bell, Joseph Oscar, A.B.,	Tuxedo.
Bennett, John Looker, S.B. IV,	High Point.
Berryhill, William Scott, A.B.,	Charlotte.
Bishop, Charles Barham, S.B. Com.,	Durham.
Bivens, Joseph Clyde, S.B. II,	Wingate.
Black, Julian Gravely, S.B. II,	Madison.
Blackwelder, Charles Reuben, S.B. II,	Concord.
Blackwelder, Verne Hamilton, S.B. IV,	Lenoir.
Blair, James Seaborn, S.B. IV,	Marshville.
Blaylock, Spencer Lorraine, A.B.,	Greensboro.
Boone, Hoyt Winfield, S.B. Com.,	Greensboro.
Boushall, Francis McGee, A.B.,	Raleigh.
Boyd, John Dallas, S.B. IV,	Fayetteville.
Bracy, Arthur Troy, A.B.,	Rich Square.
Brandl, Charles McGonagle, S.B. III,	Asheville.
Branson, Elizabeth Lanier, S.B. I,	Chapel Hill.
Brawley, Richard Louis, S.B. IV,	Mooresville.
Brooks, Robert William, A.B.-LL.B.,	Garner.
Brown, Archibald Riley, S.B. Com.,	Greensboro.
Brown, Hampton Samuel, Jr., S.B. Com.,	Charlotte.
Brown, James Williamson, S.B. Com.,	Danville, Va.
Brown, Verney Ed, A.B.,	Richlands.
Brown, William Moye Benjamin, S.B. IV,	Greenville.
Bruner, Weston, Jr., A.B.,	Raleigh.
Burke, John Harrington, A.B.,	Taylorsville.
Burroughs, Franklin Danford, S.B. Com.,	Scotland Neck.
Burt, Arthur Wellons, A.B.,	Biscoe.
Burt, Edward Ramsey, A.B.,	Biscoe.
Busbee, Simons Clarkson, S.B. Com.,	Raleigh.
Caffey, John William, S.B. Com.,	Greensboro.
Caldwell, David Frank, A.B.,	Matthews.
Campbell, Thomas Barnes, S.B. Com.,	Taylorsville.
Capehart, Charles Smallwood, S.B. II,	Roxobel.
Carmichael, Martin, S.B. Com.,	Durham.
Carroll, James Robinson, S.B. Com.,	Middleburg.

Carroll, Milus H., S.B. Com.,	York, S. C.
Carter, Cleon Monroe, S.B. Com.,	Louisville, Ky.
Carter, Douglas, A.B.,	Asheville.
Cates, Ola Permelia, A.B.,	Chapel Hill.
Caudell, Paul James, S.B. Com.,	St. Pauls.
Cauthen, Frank Merriman, S.B. Com.,	Roanoke, Ala.
Caveness, Shelley Benjamin, A.B.,	Greensboro.
Chapin, Harlowe Leon, S.B. III,	Beaufort.
Chappell, Richard Edwin, A.B.-LL.B.,	High Point.
Chears, William Crockette, S.B. III,	Sanford.
Cheesborough, Thomas Patton, Jr., A.B.,	Asheville.
Clark, John Hardisty, A.B.,	Tarboro.
Clark, Ohel Shepard, A.B.,	Leaksville.
Clegg, Kenneth Key, S.B. Com.,	Greensboro.
Coates, Kenneth Daniel, A.B.,	Smithfield.
Coble, Charles Gilbert, S.B. III,	Mt. Ulla.
Coble, Scott Brown, S.B. Com.,	Mt. Ulla.
Cocke, William Johnston, Jr., A.B.,	Asheville.
Collier, Kenneth Murphy, S.B. Com.,	Louisburg.
Collins, Addison Boyce, A.B. Educ.,	Peachland.
Coltrane, William Homer, A.B.,	High Point.
Conrad, Flavious Virtner, A.B.,	Thomasville.
Cooper, Berlon Cicero, S.B. II,	Siler City.
Corbett, James Patrick, A.B.,	Whitakers.
Councill, James Hardin, S.B. III,	Boone.
Cox, Edward Young, Jr., S.B. Com.,	Rocky Mount.
Coxe, William Potter, A.B.,	Asheville.
Cramer, George Bennett, A.B.,	Charlotte.
Cramer, William, A. W., S.B. III,	Willoughby Beach, Va.
Crater, Rufus Holton, A.B.,	Yadkinville.
Crawford, Earl Elsie, S.B. II,	Willets.
Cress, Joseph DeMonte, S.B. Com.,	Salisbury.
Cress, Rodolphus LaMonte, S.B. Com.,	Salisbury.
Crowell, Reginald Alexander, A.B.,	Albemarle.
Crutchfield, Gail Benjamin, A.B.,	Burlington.
Cullen, Charles Pasteur, S.B. Com.,	Ocala, Fla.
Currie, Hugh Alexander, S.B. Com.,	Raeford.
Cutler, Lycurgus Henry III, S.B. Com.,	New Bern.
Dalton, Ernest Berry, S.B. I,	Winston-Salem.
Daugherty, Wentzell Brewer, A.B.,	Dover.
Davenport, John, S.B. Com.,	Sanford.
David, William Judson, A.B.,	Gibson.
Davis, Francis Marion, S.B. Com.,	Farmville.

Davis, Frank Saunders, S.B. Com.,	New Bern.
Davis, Hal Avon, S.B. II,	Charlotte.
Davis John Alexander, A.B.,	Waxhaw.
Davis, Philip Crawley, A.B.-LL.B.,	Winston-Salem.
Dearman, Claudius Hursell, A.B. in Ed.,	Turnersburg.
Deaton, Clyde Northington, S.B. Com.,	Mount Gilead.
Denning, Ralph Erwin, S.B. I,	Albemarle.
Dixon, Doremus Windsor, S.B. II,	Snow Hill.
Dixon, Robert Tompkins, S.B. Com.,	Charlotte.
Dockery, Claudius, Jr., A.B.-LL.B.,	Mangum.
Doss, Harold Charles, A.B.,	Hartselle, Ala.
Doubleday, Lawrence, S.B. I,	Tryon.
Drake, Henry Tomlinson, A.B.,	Fayetteville.
Drake, William Earle, A.B.,	Chapel Hill.
Drewry, John Colin, S.B. Com.,	Raleigh.
Dula, Robert Lee, S.B. IV,	Lenoir.
Duncan, Edwin, A.B.,	Sparta.
Earnhardt, Leroy Parrish, A.B.,	Charleston, S. C.
Easton Charles Skinner, S.B. Com.,	Oxford.
Eddleman, Samuel McKee, S.B. Com.,	China Grove.
Edwards, George William, S.B. Com.,	Snow Hill.
Edwards, John Wesley, A.B.,	Franklin.
Ellis, Shober Andrews, A.B.,	Winston-Salem.
Elmore, Probien Lee, A.B.,	Dover.
Enloe, William Reginald, S.B. Com.,	Dillsboro.
Estes, Jim Terrell, S.B. Com.,	Asheville.
Evans, Thomas Hilton, S.B. Com.,	Harbinger.
Everett, Marvin McHenry, A.B.,	Oak City.
Faggart, Arthur Miller, S.B. IV,	Concord.
Farrell, Robert Paul, S.B. III,	Parkton.
Ferebee, Willoughby Dozier, S.B. Com.,	New Bern.
Fields, James Person, A.B.-LL.B.,	Selma.
Finch, Andrew Jackson, A.B.,	Henderson.
Finch, Spencer Edward, S.B. II,	Bailey.
Finley, Clyde Shepherd, S.B. Com.,	Marion.
Fonville, Frederick Vanden, S.B. III,	Raleigh.
Fordham, Christopher Columbus, Jr., S.B. Com.,	Greensboro.
Fountain, Robert Allen, Jr., S.B. Com.,	Fountain.
Foust, Odell Bernice, S.B. Com.,	High Point.
Fouts, Croatan Lofton, A.B.,	Franklin.
Fowler, Marvin Mangum, S.B. Com.,	Chapel Hill.
Fuller, Henry Reasoner, A.B.,	Bradentown, Fla.
Fuller, Paul Johnson, S.B. Com.,	Raeford.

Gant, Mason William, Jr., A.B.,	Greensboro.
Gardner, Francis Sidney, Jr., S.B. Com.,	Rocky Mount.
Gardner, Irvin Verser, S.B. Com.,	Danville, Va.
Garner, Lofton Leroy, S.B. IV,	Newport.
Gatling, Edward Liles, Jr., A.B.,	Windsor.
Geddie, Rowland Hill, S.B. Com.,	Rose Hill.
Gibson, Porter Clyde, A.B.,	Laurinburg.
Giles, Frank Bernard, A.B.,	Reidsville.
Glover, Grady Rudolph, S.B. I,	Bailey.
Gobbel, John Temple, S.B. III,	Spencer.
Gooding, Guy Berner, S.B. IV.	Kinston.
Goover, George Demetrius, A.B.,	Danville, Va.
Gottheiner, Sidney Henry, S.B. II,	West Orange, N. J.
Gowen, Charles Ewell, S.B. II,	Roanoke Rapids.
Grady, Keith, S.B. II,	Tryon
Grant, Clarence Wade, A.B.,	Snead's Ferry.
Grant, Leroy Couling, A.B.,	Jackson.
Greene, Eugene A., A.B.,	Greensboro.
Gregory, Edwin Clarke, Jr., A.B.,	Salisbury.
Grier, Murray Milton, S.B. III,	Gastonia.
Griffin, Floyd Sampson, A.B.-LL.B.,	Reidsville.
Griffin, James Edwin, S.B. Com.,	Williamston.
Griffin, Leon Theophilus, S.B. Com.,	Elm City.
Griffin, Russell Aubrey, S.B. II,	Woodland.
Griswold, Richard Freeman, S.B. Com.,	Goldsboro.
Grubb, Robert Lee, S.B. Com.,	Spencer.
Gudger, Lindsey M., A.B.,	Asheville.
Guion, William Robert, A.B.,	New Bern.
Gyana, Eugene Edward, S.B. II,	East Orange, N. J.
Hadley, George Milton, S.B. Com.,	Mount Airy.
Hadley, William Brower, S.B. Com.,	Mount Airy.
Hagan, James Guy, S.B. Com.,	Greensboro.
Ham, Joseph Hutchinson, Jr., S.B. Com.,	Charlotte.
Hanes, Andrew Thomas, A.B.,	Winston-Salem.
Haney, Charles Lewis, A.B.,	Nealsville.
Hanner, Absalom Jerome, S.B. Com.,	Liberty.
Hardesty, George Davis, A.B.,	Newport.
Hargrove, Homer Gay, A.B.,	Dunn.
Harrington, Walter Wilson, A.B.,	Taylorsville.
Harris, William Fletcher, S.B. Com.,	Elkin.
Harrison, Guy Wendell, S.B. II,	Bailey.
Harrison, Lewis Wardlaw, A.B.,	West Raleigh.
Hart, Henry Clifton, A.B.,	Clemmons.

Hart, Reuden Gaither, S.B. IV,	Virgilina.
Hauser, Lawrence Edwards, S.B. V,	High Point.
Hawkins, Frank Noble, A.B.,	Dover.
Hawkins, James Edward, A.B.,	Raleigh.
Hearne, Moses Killebrew, A.B.,	Macclesfield.
Heffner, Reid Russell, S.B. Com.,	Maiden.
Henderson, Curtis, A.B.,	Chapel Hill.
Henderson, John Leonard, S.B. Com.,	Warrenton.
Henley, Robert Chillian, S.B. III,	Statesville.
Herring, Albert Lee, S.B. Com.,	Snow Hill.
Hetherington, Marion Frank, S.B. III,	Lakeland, Fla.
Hewitt, Albert Cullen, Jr., A.B.,	Hickory.
Hickle, Charles Merle, A.B.,	West Asheville.
Hicks, Benjamin Horner, A.B.,	Henderson.
Hill, George Maurice, A.B.,	Rutherfordton.
Hines, Waitman Riley, S.B. Com.,	Kinston.
Hobbs, Walter Newman, S.B. Com.,	Gastonia.
Hodges, Brandon Patton, A.B.,	Asheville.
Hodges, Jesse Willis Parrott, S.B. II,	Kinston.
Hooks, William Borden, S.B. Com.,	Goldsboro.
Hord, Albert J. D., A.B.,	Kings Mountain.
Horton, Alexander Telfair, S.B. Com.,	Raleigh.
Howe, Isaac Erwin, S.B. Com.,	Belmont.
Hoyle, Vinton Asbury, A.B. in Ed.,	Manteo.
Hunnicutt, William Emory, S.B. Com.,	Franklin.
Hunter, William C., A.B.,	Enfield.
Huss, Paul Henry, A.B.,	Cherryville.
Hutchins, John Manning, S.B. Com.,	Winston-Salem.
Israel, Francis Ernest, S.B. III,	Asheville.
Jackson, Rudolph Hoyt, S.B. II,	New Bern.
Jackson, William Farrow, A.B.,	Roanoke Rapids.
James, Myriel A., A.B., in Ed.,	Paint Fork.
Jarvis, Granville Hull, S.B. II,	Dorchester Centre, Mass
Jenkins, Henry Haynes, A.B.,	Avondale.
Jenkins, William Sumner, A.B.,	Lincolnton.
Johnston, Harrison Nathaniel, Jr., S.B. Com.,	Mooresville.
Johnston, James Guy, S.B. Com.,	Charlotte.
Johnston, Latta Reid, S.B. Com.,	Charlotte.
Jonas, Charles Raper, A.B.,	Lincolnton.
Jones, Charles Leonard, S.B. II,	Reidsville.
Jones, Claude Venus, S.B. Com.,	Elizabeth City.

Jones, Jefferson Albright, S.B. IV,	Morganton.
Jones, P. Sentelle, A.B.,	Red Ooak.
Jones, Wright Oscar, S.B. II,	Fairmont.
Joyner, Jack, A.B.,	Garysburg.
Joyner, John William Edwin, S.B. Com.,	Rocky Mount.
Justice, Margaret Curtis, A.B.,	Chapel Hill.
Kelly, Justin Harold, S.B. Com.,	Jonesboro.
Kimberly, William Maney, S.B. Com.,	Asheville.
King, Herman Lee, S.B. Com.,	Sanford.
King, James Victor, S.B. Com.,	Sanford.
Kirkpatrick, Joseph Pratt, S.B. Com.,	Oxford.
Kiser, Clyde Vernon, A.B.,	Bessemer City.
Koonce, Edward Everett, A.B.,	Wilmington.
Lackey, Paul Sharpe, S.B. Com.,	Hiddenite.
Lamb, John Cotten, Jr., S.B. I,	Baltimore, Md.
Lambeth, Harry Lee, A.B.,	Greensboro.
Lane, Frederick Gray, A.B. in Ed.,	Morganton.
Lane, John Bryant, S.B. Com.,	Fremont.
Lanier, Edwin, S.B. Com.,	Metter, Ga.
Lassiter, Cornelius Everett, A.B.,	Rich Square.
Lawrence, Harold Austin, S.B. III,	Rosebank, N. Y.
Lazenby, Edgar Earl, A.B.,	Statesville.
Lee, Norman Bennett, S.B. Com.,	Lattimore.
Lenderman, Henry Daniel, A.B.,	Wilkesboro.
Liles, Lawrence Poland, S.B. Com.,	Wilson Mills.
Linker, Robert White, A.B.,	Salisbury.
Little, Robert Gray, A.B.,	Greenville.
Logan, Robert Franklin, A.B.,	Yadkinville.
Logie, Macdonald Bride, S.B. III,	Manatee, Fa.
London, John Bryan, S.B. II,	Charlotte.
Lowe, Donald Alexander, S.B. Com.,	Red Springs.
Lynch, Theodore Kingsbury, S.B. Com.,	Wilmington.
McCaskill, Malcolm Theodore, A.B.,	Candor.
McClelland, Joseph Hugh, S.B. IV,	Maxton.
McCutchen, Edwin Lewis, S.B. Com.,	Rougemont.
McDonald, Paul Clark, S.B. II,	Raeford.
McDonald, Samuel Howard, S.B. Com.,	Charlotte.
McGinn, Mattocks Cecil, S.B. Com.,	Berkley, Va.
McIver, Herman Martin, S.B. Com.,	Mebane.
McMullan, Sidney Merriman, A.B.,	Edenton.
McNeill, George Vernon, S.B. Com.,	Rowland.
McNeill, Marvin Lacy, S.B. Com.,	Red Springs.
McPherson, William Dews, S.B. Com.,	Sanford.

McWhorter, Malcolm Hubert, A.B.,	Calypso.
Madry, Wilbur Dennis, A.B.-LL.B.,	Scotland Neck.
Mallison, Walter Ulrich, S.B. Com.,	Morehead City.
Manning, Francis Marion, S.B. Com.,	Williamston.
Mardre, George Lewis, Jr., A.B.,	Windsor.
Martin, A. B. J. Jr., A.B.,	Leaksville.
Massey, Charles Knox, A.B.,	Durham.
Maultsby, Ralph Clearke, A.B.,	Rutherfordton.
Mehaffy, R. Earl, A.B.,	Balsam.
Melson, John William, A.B.,	Columbia.
Messick, Arline Franklin, A.B.-LL.B.,	Winston-Salem.
Mewborn, Thomas William, Jr., A.B.,	Kinston.
Michal, James Weston, S.B. II,	Waynesville.
Mikell, Isaac Jenkins, S.B. IV,	Columbia, S. C.
Miller, Baxter Hocutt, A.B.,	Durham.
Miller, Clarence E., S.B. V,	Providence, R. I.
Miller, Henry Alex, A.B.,	Raleigh.
Miller, Joseph Macon, S.B. Com.,	New Bern.
Mincey, Elry Leva, A.B. in Ed.,	Hillsboro.
Misenheimer, Frank Brown, S.B. III,	Concord.
Moore, George Barnes, A.B.,	Wilmington.
Moore, Hugh Cowan, S.B. Com.,	Statesville.
Moose, William, A.B.,	Taylorsville.
Morris, Fay Henderson, S.B. Com.,	Raeford.
Morris, Reuben Frank, A.B.,	Walkerton.
Morrison, Ivey Lee, S.B. II,	Shelby.
Mowrer, Doyt Cashion, S.B. Com.,	Davidson.
Moye, Robert Orville, A.B.,	Greenville.
Murdock, William Henry, A.B.,	Durham.
Murphy, Spencer, A.B.,	Salisbury.
Myatt, Plato Jackson, S.B. Com.,	Raleigh.
Myers, Lewis Clark, S.B. Com.,	New Castle.
Nelson, Stacy Gordon, A.B.,	Gloucester.
Norton, Alton B., A.B.,	Gibson.
Osborne, James William, A.B. in Ed.,	Shelby.
Overman, William Jackson, S.B. II,	Elizabeth City.
Owen, Franklyn Deming, S.B. III,	Raleigh.
Owens, Edward Lindsey, A.B.,	Plymouth.
Padgett, Charles King, S.B. IV,	Forest City.
Parker, Frederick Pope, Jr., S.B. Com.,	Goldsboro.
Parks, Paul Blair, S.B. Com.,	Durham.
Parsley, Oscar Grant, S.B. II,	Fayetteville.
Patterson, Edward, S.B. Com.,	Hendersonville.

Pearce, Frank, S.B. IV,	Princeton.
Peeler, James Lee, S.B. Com.,	Bessemer City.
Pendergraft, Ralph Numa, S.B. Com.,	Chapel Hill.
Penton, Daniel Harris, Jr., S.B. Com.,	Wilmington.
Perry, John Cooper, A.B.,	Windsor.
Peterson, Roy Douglas, S.B. IV,	Erwin, Tenn.
Phifer, William Bates, S.B. III,	Monroe.
Phillips, John Raymond, S.B. I,	Graham.
Phillips, Otis Odell, A.B. in Ed.,	Lexington.
Phillips, William Franklin, S.B. II,	Charlotte.
Pickard, Ellis Melvin, A.B.,	Graham.
Polk, James Knox, A.B.,	Warrenton.
Poole, James Wyche, S.B. Com.,	Greensboro.
Powell, Joseph Clay, A.B.,	Tarboro.
Powell, James Ernest, A.B.,	Bell Buckle, Tenn.
Poyner, William Griggs, S.B. Com.,	Poplar Branch.
Price, John Henry, A.B.,	Tarboro.
Price, Wright Moore, A.B.,	Chapel Hill.
Pridgen, Carl Waldo, Jr., A.B.,	Kinston.
Pruett, Tandy Lafayette, A.B.,	Landrum, S. C.
Quinby, Wicliffe Commandeur, S.B. I,	West Orange, N. J.
Ragland, Julius, A.B.	Salisbury.
Ramsey, Mack English, A.B.,	Marshall.
Ray, Charles Edwin, Jr., S.B. II,	Waynesville.
Ray, Clifford McKinley, A.B.,	Swepsonville.
Ray, Robert Lee, Jr., S.B. Com.,	Selma.
Ray, Samuel Philip, A.B.,	Leaksville.
Redwine, James Daniel, S.B. IV,	Salisbury.
Redwine, John McAlister, A.B.,	Monroe.
Reid, Paul Apperson, S.B. Com.,	Pilot Mountain.
Reitzel, Baxter Pearlie, S.B. II,	Siler City.
Rhea, Clarence Joseph, A.B.,	Windsor.
Riddle, Joseph Bennett, Jr., S.B. IV,	Morganton.
Robbins, James Raymond, A.B.,	Jamestown.
Robertson, Alban G., A.B.,	Leakesville.
Robinson, Charles Edwin, S.B. II,	Lincolnton.
Robinson, Fleming Gelder, A.B.,	Charlotte.
Robinson, Walter Collins, S.B. Com.,	Greensboro.
Rogers, Ludlow Thomas, A.B.,	Durham.
Rollins, Vance Benton, S.B. I,	Henderson.
Rose, George Anderson, Jr., S.B. Com.,	Henderson.
Rosenberger, Raymond Joyce, S.B. III,	Asheville.
Rountree, Julian Hertel, S.B. Com.,	Sunbury.

Rourk, Malcolm Henderson, S.B. IV,	Shallotte.
Rowe, Oliver Reagan, S.B. II,	Charlotte.
Rowland, Clifford Carlisle, A.B.,	Dunn.
Rowland, Walter Thomas, Jr., S.B. Com.,	Asheville.
Ruffin, Henry Gray, S.B. Com.,	Louisburg.
Rutherford, Paris Milton, Jr., S.B. II,	Rutherford College.
Sams, John Robert, S.B. II,	Kinston.
Sapp, Armistead Wright, A.B.	Greensboro.
Saunders, Joseph Maryon, A.B.	Durham.
Saunders, William Marion, A.B., LL.B.,	Roanoke Rapids.
Sawyer, James Purefoy, A.B.	Windsor.
Scheidt, Edward, A.B.,	Winston-Salem.
Schiffman, Clarence David, S.B. I,	Greensboro.
Seagle, George Philip, A.B.,	Hendersonville.
Seyffert, Charles King, S.B. Com.,	Elizabeth City.
Shaffer, Samuel Wilson, A.B.,	Greensboro.
Sharpe, Avon F., A.B.,	Stony Point.
Sharp, Lockwood Charles, S.B. Com.,	Canton.
Shepard, Robert Bowden, S.B. Com.,	Edenton.
Shepherd, James Edward, A.B.,	Raleigh.
Sheppard, Ben, S.B. Com.,	Winston-Salem.
Shoulars, John Allen, A.B.,	Rich Square.
Simpson, Robert Jones, Jr., S.B. Com.,	Asheville.
Smith, Ainslee Lester, A.B.,	Westfield.
Smith, Claude Ervin, A.B.,	High Point.
Smith, Charles Laughinghouse, A.B.,	Greenville.
Smith Dorsey Dewey, A.B.	Laurel Hill.
Smith, Gorah G., A.B.,	Troy.
Smith, Herbert Lee, A.B.,	Laurel Hill.
Smith, Paul Jennings, A.B.,	Asheville.
Smith, Whittie Jay, A.B.,	Greenville.
Smith, William Wise, S.B. Com.,	Raleigh.
Solomon, Abram Shrier, S.B. Com.,	Wilmington.
Sparrow, George, S.B. Com.,	Chapel Hill.
Spear, Rudolph, A.B.,	Kinston.
Stahl, Steadman Smith, S.B. V,	Savannah, Ga.
Stainback, Allen Nathaniel, A.B.,	Greensboro.
Stainback, Raymond Franklin, S.B. II,	Red Oak.
Stalvey, Albert Derrick, S.B. Com.,	Conway, S. C.
Starling, Homer Cortez, A.B.,	Roseboro.
Staton, Leon Raphael, A.B.,	Hendersonville.
Steele, Wyeth Calvin, A.B.,	Mount Olive.
Stephenson, Paul D., A.B.,	Garysburg.

Stout, Chalmers Otis, S.B. Com.,	Siler City.
Stout, Ira Benton, S.B. II,	Siler City.
Stribling, Jesse Hawkins, A.B.,	Atlanta, Ga.
Strother, Staton S., A.B.,	Stantonsburg.
Stroud, Junius Brutus, Jr., S.B. Com.,	Greensboro.
Sugg, Robert Russell, S.B. I,	Southern Pines.
Summerville, Alexander Cornelius, A.B.,	Charlotte.
Swain, Herbert Lee, A.B., LL.B.,	Mackeys.
Swain, Julian Haywood, A.B.,	Jerry.
Sydenstricker, Blair Dean, S.B. Com.,	Rocky Mount.
Tavelle, Jack William, S.B. II,	Waynesville.
Taylor, Robert Lee, S.B. Com.,	Roanoke Rapids.
Teague, Sherrill Burette, A.B.,	Statesville.
Temple, Joseph Alton, S.B. Com.,	Selma.
Tevepaugh, Thomas Calvin, S.B. Com.,	Charlotte.
Thomas, Helen Anne, A.B.,	Chapel Hill.
Thomas, Owen Guion, A.B.,	New Bern.
Thompson, James Lee, S.B. II,	Reidsville.
Thompson, Tallie Harold, A.B.,	Lincolnton.
Thorpe, Alexander Proudfit, Jr., S.B. Com.,	Rocky Mount.
Thorpe, Richard Young, S.B. Com.,	Rocky Mount.
Travis, William Allison, A.B.,	Weldon.
Tucker, John Archibald, A.B.,	Milton.
Turlington, William Troy, A.B.,	Fremont.
Turner, Cecil Arline, S.B. IV,	Paremele.
Tuttle, Ralph Jones, A.B.,	Walnut Cove.
Tweed, Glenn, S.B. II,	Bryson City.
Upton, Robert Hamilton, Jr., S.B. Com.,	Fayetteville.
Vanstory, Cornelius Monroe, Jr., S.B. Com.,	Greensboro.
Veasey, Wesley Floyd, A.B.,	Stem.
Venters, Wayne Victor, A.B.,	Richlands.
Waldhurst, Frank, S.B. II,	Wilmington.
Walker, Herman Andrew, S.B. Com.,	Morganton.
Walser, Arnold Douglas, S.B. IV,	Salisbury.
Walters, Bryant Stokes, S.B. IV,	Hertford.
Ward, Milton, S.B. Com.,	Wilson.
Ware, James Hunter, S.B. IV,	Mount Holly.
Warren, Richard Patrick, S.B. Com.,	Snow Hill.
Watrous, Harry James, Jr., S.B. II,	Tampa, Fla.
Watson, James Albert, S.B. II,	Rocky Mount.
Watts, Wesley C., A.B.,	St. Pauls.
Welborn, Allen B., A.B.-LL.B.,	High Point.
Welborn, Charles Harris, S.B. Com.,	High Point.

Welborn, Roy Clark, A.B., LL.B.,	Trinity.
Welch, James Overman, S.B. Com.,	Hertford.
Wells, Thomas Daniel, S.B. II,	Battleboro.
Westbrook, Edward, A.B.,	Wilmington.
Whedbee, Will Lipscomb, S. B. Com.,	Greenville.
Wheeler, Henry James, A.B.,	Chapel Hill.
Wheless, William Perry, S.B. IV,	Spring Hope.
Whichard, Rogers Dey, A.B.,	Willoughby Beach, Va.
Whitaker, Frank Harrell, S.B. Com.,	Elkin.
Whitaker, Reginald Lyon, A.B.,	Oak Ridge.
White, Gladstone Huxley, A.B.,	Livingstone, Tenn.
White, Jimmie H., A.B.,	Windsor.
Wilcox, Theodore North, A.B.,	Tryon.
Willcox, Edgar Lloyd, A.B.,	Florence, S. C.
Williams, Bryan Grimes, S.B. Com.,	Raleigh.
Williams, Charles David, A.B.,	Rocky Mount.
Williams, D'Arcy Shivers, A.B.,	Rocky Mount.
Willis, Arthur Rexford, Jr., S.B. Com.,	New Bern.
Winslow, Walter Frith, S.B. Com.,	Hertford.
Womble, Clara Ethel, A.B.,	Chapel Hill.
Woodard, Robert Leslie, A.B.,	Pamlico.
Woodhouse, Wilbur Bradley, A.B.,	Poplar Branch.
Woodside, Joseph Owen, S.B. Com.,	Charlotte.
Woodson, Walter Henderson, Jr., A.B.,	Salisbury.
Woodward, Beall Magruder, A.B.,	Washington, D. C.
Wooten, Robert Southerland, S.B. Com.,	Mount Olive.
Worley, Sidney Williamson, S.B. Com.,	Selma.
Yarborough, Charles Hill, A.B.,	Louisburg.
Yarley, Chalmers Benjamin, A.B.-LL.B.,	Waltergoro, S. C.
Yates, Frank Ogburn, A.B.,	Monroe.
Young, Roy William, S.B. I,	Angier.

SPECIAL STUDENTS

Alexander, Robert Bainbridge, Premed.,	Greensboro.
Alexander, Robert Glenn, Spec. Com.,	Statesville.
Alley, John Hayes, Elect. Law,	Waynesville.
Anderson, Lester Lawrence, Premed.,	Advance.
Ashburn, Claude Woltz, Premed.,	Winston-Salem.
Atchley, Roderick Crowell, Premed.,	Morristown, Tenn.
Austin, Bertha, Pub. Welf.,	Rising Fawn, Ga.
Bailey, James Osler, Premed.,	Raleigh.

Baldwin, Gaston Carr, Premed.,	Hoffman.
Barnes, Edwin, Jr., Premed.,	Tallahassee, Fla.
Barnes, James Thomas, Jr., Premed.,	Kenley.
Barnes, Lawson Paul, Premed.,	Florence, S. C.
Bass, Harris Hartwell, Premed.,	Henderson.
Benthall, Raymond Carson, Elect. Law,	Woodland.
Benton, Garland Fillmore, Premed.,	Spencer.
Bias, Clyde Harold, Special,	Salisbury.
Black, Albert Reed, Special,	Mount Holly.
Blackwelder, Robert Guy, Premed.,	Concord.
Boddie, Edward Lee, Premed.,	Nashville.
Boettcher, Otto Heath, Special,	Elizabeth City.
Bonner, John Bryan Havens, Spec. Com.,	Raleigh.
Bonner, Merle Dumont, Premed.,	Aurora.
Booth, Hubert Edwin, Premed.,	Catawba.
Bourne, William Camillus, Special,	Asheville.
Bowen, Harold, Jenkins, Premed.,	Hamlet.
Briggs, Ernest Leland, Premed.,	Burnsville.
Britt, Reddin, Premed.,	Lumberton.
Broome, Haywood Henry, Premed.,	Aurora.
Brown, Earl Henderson, Premed.,	Concord.
Brown, Ira Lee, Spec. Com.,	Winston-Salem.
Brown, James Richard, Premed.,	Charlotte.
Brown, Kermit, English, Premed.,	Waverly.
Bryant, Eugenia Teacher, Pub. Welf.,	Chapel Hill.
Bryson, Thaddeus Dillard, Jr., Premed.,	Bryson City.
Bullard, Edmond Rudolph, Special,	Charlotte.
Byrd, Robert Theo, Premed.,	Linden.
Carpenter, Robert Edgar, Special,	Cliffside.
Carroll, Byrant S., Premed.,	Winterville.
Carroll, Robert Lide, Premed.,	Columbia, S. C.
Carson, Ray Gentry, Special,	Taylorsville.
Cato, Alma Odeska, Pub. Welf.,	Chapel Hill.
Cole, Roy Enoch, Premed.,	Pittsboro.
Coleman, Charles Winstead, Premed.,	Lyons.
Cornelius, Chalmers Edgar, Premed.,	Mooresville.
Cornwell, Abner Milton, Premed.,	Lawndale.
Corriher, Daniel Calvin, Premed.,	Landis.
Councill, Charles Bower, Premed.,	Salisbury.
Covington, Elijah Eugene, Premed.,	Linden.
Cox, Vernon Henderson, Special,	Winston-Salem.
Crowson, Ogden Finley, Jr., Spec. Com.,	Burlington.
Daniels, Archie Shields, Premed.,	Manteo.

Dark, Thomas Jefferson, Spec. Com.,	Silver City.
Davis, Philip Bibb, Premed.,	Greensboro.
Dawson, Thomas Pugh, Special,	Norfolk, Va
DeHart, Horace Maxwell Premed.,	Bryson City.
Deyton, John Wesley, Premed.,	Green Mountain.
Dunlap, George Olin, Premed.,	Norwood.
Dunlap, Henry Hunter, Premed.,	Bonlee.
Durham, Carey Winston, Premed.,	Chapel Hill.
Durham, Harvey Irving, Premed.,	Chapel Hill.
Easom, Herman Franklin, Premel.,	Selma.
Edmundson, Leland Bernice, Premed.,	Goldsboro.
Ellington, Harvey Dixon, Premed.,	Saxapahaw.
Fanning, Frederick Deveau, Jr., Special,	Durham.
Farrior, Marsden Lee, Premed.,	Rose Hill.
Ferguson, Charles Lee, Premed.,	Waynesville.
Fitzgerald. Margaret Wesley, Pub. Welf.,	Danville, Va.
Fowlkes, Hunter McGuire, Premed.,	Rockingham.
Francis, Boris, Premed.,	Asheville.
Froneberger, Pinkney Carroll, Special,	Charlotte.
Galimore, George Dewey, Spec. Com.,	Lexington.
Gallagher, Patrick Northey, Premed.,	Durham.
Gaskins, Theodore Grady, Premed.,	Bridgeton.
Gatling, Lance Riddick, Premed.,	Gates.
George, Robert Barnett, Special,	East Palestine, Ohio.
Ghent, Marguerite, Pub. Welf.,	Dotham, Ala.
Gilreath, Robert Arthur, Premed.,	Hendersonville.
Goodman, Alfred Vernon, Premed.,	Raleigh.
Goodson, Clyde Alvis, Premed.,	Lincolnton.
Gorham, Herbert Jenkins, Premed.,	Tarboro.
Grant, Percy Granville, Spec. Com.,	Snead's Ferry.
Gray, Marvin Speed, Premed.,	Bahama.
Greene, Carl Washington, Spec. Com.,	Asheville.
Griffin, Edward Foster, Premed.,	Louisburg.
Grigg, John Richard, Premed.,	Gastonia.
Guthrie, Thomas William, Spec. Com.,	Rockingham.
Harden, Boyd, A.B., 1921, Spec. Premed.,	Burlington.
Hartman, Alfred Pleasant, Premed.,	Winston-Salem.
Hawfield, Clayton, Premed.,	Matthews.
Head, William Gwynne, Premed.,	Rockingham.
Heath, Francis Jackson, Spec. Com.,	Charlotte.
Hege, Raymond Webster, Premed.,	Clemmons.
Henderson, Garland Lee, Spec. Com.,	Graham.
Herron, Fred Julian, Premed.,	Skyland.

Hogan, Henry Saunders, Special,	Chapel Hill.
Hogan, Kenneth Page, Special,	Winston-Salem.
Holloway, Joseph Clark, Premed.,	Durham.
Holmes, Eugene, Jr., Premed.,	Linwood.
Holt, Duncan Edwin, Premed.,	Sanford.
Hoover, Sam Preston, Spec. Com.,	Pineville.
Hoyle, Richard Morrison, Premed.,	Manteo.
Huffman, Willie Costner, Special,	Greensboro.
Hunt, John Hazel, Premed.,	Casar.
Hunt, William Ernest, Premed.,	Oxford.
Hunter, Robert Francis, Special,	West Orange, N. J.
Ingle, Vivion Hargrove, Special,	Stony Point.
Jackson, Marshall Vaden, Premed.,	Cooper.
James, Dink, Special,	Greenville.
Johnson, Roger Brown, Premed.,	Ahoskie.
Johnson, Samuel David, Special,	Angier.
Johnston, Hugh Pharr, Special,	Newell.
Johnston, Robert Alexander, Premed.,	Asheville.
Johnston, Wilfred Ivey, Special,	Charlotte.
Jordan, Mills Morrison, Premed.,	Hamlet.
Joyce, Clarence Burton, Premed.,	East Bend.
Justice, William Shipp, A.B., 1920, Spec. Premed.,	Chapel Hill.
Kaplan, Frank, Premed.,	Mount Gilead.
Kendall, Benjamin Horton, Premed.,	Shelby.
Kesler, Robert Cicero, Premed.,	Salisbury.
Koonce, Edgar Payne, Premed.,	Jacksonville.
Koonce, Everett Sanders, Premed.,	Trenton.
Laughinghouse, Haywood Dail, Special,	Greenville.
Lazarus, Jack, Premed.,	Sanford.
Leake, Everett Majette, Premed.,	Rich Square.
Leonard, Clarence Gilmer, Special,	Lexington.
Levis, Anna Conron, Pub. Welf.,	Baltimore, Md.
Long, Hortense Duncan, Pub. Welf.,	Carrboro.
Love, Ralph Eli, Premed.,	Lincolnton.
Lowe, Frank Robbins, A.B., 1921, Spec. Com.,	Winston-Salem.
Lynn, Clabe Webster, Premed.,	Raleigh.
Lynn, Jerome Worth, Premed.,	Raleigh.
Lyon, Thomas Christian, Special,	Creedmoor.
McCollum, Charles Edward, Spec. Com.,	Norfolk, Va.
McCoy, Cullen Miles, Premed.,	Cove City.
McCoy, George William, Special,	Asheville.
McDaniel, Everett Sultan, Premed.,	Henderson.

McDuffie, Roy Holland, Premed.,	Asheville
McKnight, Thomas Mortimer, A.B., 1921, Special,	Mooresville.
McNeely, Matthew Jerome, Jr., Premed.,	Toledo, Ohio.
McSwain, Minor Franklin, Premed.,	Shelby.
Mackie, Nathan Walser, Premed.,	Boonville.
Malpass, Bishop Lemly, Premed.,	Goldsboro.
Mann, Thomas Carroll, Premed.,	Fairfield.
Martin, Julius II, Special,	Asheville
Matheson, Joe Gaddy, Premed.,	Raeford.
Matheson, Robert Arthur, Jr., Premed.,	Raeford.
Matthews, Rudolph Samuel, Premed.,	Albemarle.
Merritt, Chancie Lee, Special,	Chapel Hill.
Myer, Sigmund Antonio, Premed.,	Enfield.
Milham, Claude Gilbert, Premed.,	Hamlet.
Misenheimer, Ed Alexander, Premed.,	Concord.
Mitchell, Gurney Talmadge, Premed.,	Jennings.
Mobley, John Warren, Special,	Charlotte.
Morris, Fred Detwiler, Spec. Com.,	Gastonia.
Morton, Levi Thomas, Premed.,	Jacksonville.
Moxley, Jane Elizabeth, Pub. Welf.,	Nutley, N. J.
Munday, Samuel Arthur, Special,	Durham.
Nelson, Cecil Howell, Premed.,	Whitakers.
Newton, Zachariah Broadman, Premed.,	Fayettevillle.
Nye, Robert Bruce, Premed.,	Kings Mountain.
O'Neal, George Earl, Spec. Com.,	Louisville, Ky.
Ormand, John William, Premed.,	Bessemer City.
Palmer, Archibald William, Premed.,	Gulf.
Parker, James Curtis, Premed.,	Chapel Hill.
Parker, Julia Piccola, Pub Welf.,	New Bern.
Parshley, Philip Ford, Premed.,	Hertford.
Patterson, Junius Gustavus, Premed.,	Charlotte.
Peoples, George Tarry, Spec. Com.,	Townsville.
Perdue, William Clyde, Elect. Law,	Henderson.
Perry, Sidney Curtis, Spec. Com.,	Durham.
Petteway, Elliot Jennings, Special,	Jacksonville.
Pharr, Frederick, Premed.,	Charlotte.
Pickens, Robert Sylvester, Special,	Morgantown.
Pittman, Nazareth Rowland, Premed.,	Fayetteville.
Pollock, Martha Keatinge, Special,	Chapel Hill.
Prescott, James Carlyle, Premed.,	Ayden.
Price, William Hamilton, Premed.,	West Jefferson.
Pritchard, James Manning, Special,	Chapel Hill.

Randolph, Philip S., Special,	Asheville
Rice, William Frank, Spec. Com.,	Asheville
Richardson, Marvin Taylor, Premed.,	Raleigh.
Riggins, John Clifton, Premed.,	Matthews.
Robinson, Edmund Eugene, Premed.,	Concord.
Rogers, Leroy Baxter, Spec. Com.,	Asheville
Rose, James William, Premed.,	Bentonville.
Rosemund, Thelma, Special,	Hillsboro.
Ross, Donald Price, Premed.,	Salisbury.
Ross, Thomas Wallace, Premed.,	Salisbury.
Russell, William Marler, Premed.,	Asheville
Sawyer, Charles Judson, Premed.,	Windsor.
Sink, Vergil Rex, Premed.,	Winston-Salem.
Smith, Harry Bryant, Premed.,	Fremont.
Smith, Paul, Premed.,	Pikeville.
Smith, Thomas Julian, Premed.,	Davidson.
Smithwick, James Etheridge, Premed.,	Jamesville.
Spach, Jule Christian, Spec. Com.,	Winston-Salem.
Sprague, John Frederick, Special,	Raleigh.
Spruill, Leslie Johnson, Premed.,	Merritt.
Staley, Abram Wills, Spec. Com.,	Greensboro.
Staton, Hilliard Vincent, Premed.,	Hendersonville.
Summer, Howard Leon, Premed.,	Chapel Hill.
Swain, Avery McLean, Spec. Com.,	High Point.
Talton, William Jennings, Premed.,	Selma.
Taylor, Rives Williams, Premed.,	Oxford.
Tenney, Edwin Wright, Special,	Chapel Hill.
Thomas, Laurence Allen, Premed.,	Greensboro.
Thomas, Scott McDonald, Special,	Rockingham.
Thompson, Laura Love, Special,	New York, N. Y.
Thornton, Emmett Leonel, Premed.,	Mebane.
Tice, Walter Thomas, Premed.,	Wadesboro.
Turner, Samuel Monroe, Premed.,	North Wilkesboro.
Turner, Walter Delbert, Jr., Premed.,	Elkin.
Underwood, Alvin Duke, Premed.,	Bailey.
Vance, Joseph Addison, Jr., Special,	Winston-Salem.
Vorhees, Lloyd Agnew, Premed.,	Newton, N. J.
Wagoner, Gerald Oscar, Special,	Lexington.
Wall, James Hardin, Premed.,	Chester, S. C.
Wallace, Julian Howard, Special,	Hartsville, S. C.
Ward, Vera Louise, Special,	Lake Junaluska.
Ware, Freno Samuel, Spec. Com.,	Kings Mountain.
Waugh, Henry Edwin, Special,	North Wilkesboro.
Wheeler, Carlyle Divenny, Special,	Holly Springs.

Whitaker, Harry Applewhite, Premed.,	Battleboro.
Whittington, Claude Thomas, Premed.,	Greensboro.
Wilkins, Robert Alfred, Premed.,	Rose Hill.
Williams, Frank Webb, Premed.,	South Mills.
Wimberley, Robert Diggs, Premed.,	Rocky Mount.
Winders, Gilbert Leslie, Spec. Com.,	Durham.
Winslow, Lindsay Clifton, Spec. Com.,	Belvidere.
Winston, Patrick Henry, Premed.,	Virgilina.
Wood, Frank, Jr., Premed.,	Edenton.
Woodard, Warden Lewis, Special,	Whartonsville.
Woodrow, Katharine Hamilton, Pub. Welf.,	Columbia, S. C.
Yarborough, James Elmo, Premed.,	Spring Hope.

STUDENTS IN LAW

Abernethy, Oscar Marvin, First,	Salisbury.
Allen, Joseph Thomas, First,	Gibsonville.
Allen, Samuel Nolan, First,	Seagrove.
Alley, Felix Eugene, Jr., First,	Waynesville.
Ashby, Clarence Garnett, Second,	Raleigh.
Baker, John Earle, Second,	Nashville.
Battle, James Smith, First,	Tarboro.
Blackwelder, Buford William, Second,	Concord.
Blanton, William Hackett, First,	Shelby.
Blount, William Augustus, First, A.B., 1920.	Washington.
Boney, Daniel Clinton, Special,	Kinston.
Brown, Robert E. Lee, Second,	Chapel Hill.
Brown, Sanford Wiley, First,	Asheville.
Coburn, Robert Lee, Second,	Dardens.
Combs, Anthony Rush, Second,	Leaksville.
Cook, Alexander Eugene, First,	Fayetteville.
Coxe, Tench Charles, Jr., First, A.B., 1921, Yale Univ.	Asheville.
Davis, Ray Piland, First,	Kinston.
Davis, Walter Armistead, Special,	Warrenton.
Downing, Dennis Garland, First,	Cedar Creek.
Eley, Alvin James, First,	Woodland.
Elsom, Gordon Mack, Second,	Hendersonville.
Ervin, Joseph Wilson, First,	Morganton.
Eure, Thaddeus Armie, First,	Eure.
Fesperman, Gideon VanPoole, Second,	Spencer.
Field, Harry Herbert, First,	Asheville.
Fields, Gurley, Special,	Evergreen.

Foster, John Wesley, Second, Mocksville.
A.B., 1919.
Fountain, Benjamin Eagles, Special, Tarboro.
Francis, William Roy, Second, Waynesville.
Frazier, Robert Haines, Second, Greensboro.
Gardner, Wade Anderson, Second, Wilson.
Gholson, Thornton Patton, First, Henderson.
Grier, Frank Luttrell, Second, Statesville.
Hampton, George Coggin, Jr., First, Chapel Hill.
Harris, William Durham, Second, Chapel Hill.
A.B., 1916, College of William and Mary.
Harris, William Vaughan, First, Salisbury.
Hartsell, Luther Thompson, Jr., First, Concord.
Hawkins, Thomas Williams, Jr., Second, Charlotte.
A.B., 1920, Davidson College.
Henderson, Tyre Glenn, First, Greensboro.
Henderson, Worth Dewey, First, Greensboro.
Herman, Preston Winfield, Second, Conover.
Herring, Paul Dominic, Second, Clinton
Hill, Barrington Taylor, Second, Wadesboro.
Holmes, Clayton Carr, First, Council.
Hope, Edward Buist, First, Walterboro, S. C.
B.S., 1917, The Citadel.
Hope, Robert Allison, First, Walterboro, S. C.
A.B., 1920, Presbyterian College of S. C.
Horton, Phineas Edgar, Jr., Second, Winston-Salem.
Huffman, Ewart William Gladstone, First, Greensboro.
A.B., 1919, Lenoir College.
Hunnicutt, Johnnie Will, Second, Asheville.
Isear, David Wesley, Third, Wilson.
Jenkins, Kelly, Second. Roanoke Rapids.
Kennedy, Horace Greely, First, Shelby.
Kernodle, Lovick Harden, Second, Graham.
Kiser, Henry Lester, First, Bessemer City.
Kitchin, Mark Reed, First, Biltmore.
Kittrell, Thomas Skinner, Second, Henderson.
A.B., 1920.
Kohloss, Gladstone Leighton, First, Salisbury.
Laughinghouse, Charles O'Hagan, Jr., First, Greenville.
Lee, Raleigh Bradford, First, Aurora.
Lemly, Conrad Brown, First, Winston-Salem.
Liipfert, Benjamin Bailey, Third, Winston-Salem.
Lisk, Merrill Cerdell, Third, Mount Gilead.
Llewellyn, Clement Manly, Third, Dobson.

Llewellyn, Henry Harrison, First,	Mount Airy.
Macaulay, Hugh Morrison, Second,	Charlotte.
McAulay, John Angus, Jr., First,	Rockingham.
McCall, Fred Bays, First,	Charlotte.
A.B., 1915.	
McDuffie, Roy Holland, Jr., First,	Asheville.
McElroy, John Hardwicke, First,	Marshall.
McLeod, Martin Clifton, First,	Red Springs.
A.B., 1913, Davidson College.	
Massey, William Henry, Special,	Princeton.
Maupin, William Chapman, Jr., Second,	Salisbury.
Moody, Ralph Manning, Second,	Murphy.
Moore, Thomas Owen, Second,	New Bern.
A.B., 1921.	
Newman, Isaac Bear, Second,	Wilmington.
Nichols, Charles Leslie, Third,	Brevard.
Norris, John Ernest, Third,	Holly Springs.
Overton, Richard Buxton, First,	Nashville.
Page, Cary Lee, First,	Haddenfield, N. J.
Parker, Talbot Fort, First,	Goldsboro.
Parsons, Paul Greer, First,	Demopolis, Ala.
Patton, George Brabson, Special,	Franklin.
Penny, William Burbank, Second,	Hendersonville.
Perry, Daniel Wolfe, Special,	Rocky Mount.
Pharr, Neal Yates, Third,	Charlotte.
A.B., 1919, Davidson College.	
Proctor, John Gilliam, Third,	Lumberton.
Rawley, David Albert, Special,	Winston-Salem.
Rendleman, John Luther, Jr., Second,	Salisbury.
Ripple, Hoyle Clifton, Second,	Welcome.
Rives, Edwin Earle, Third,	Greensboro.
Robinson, Alton Hampton, Second,	Asheville.
Rucker, Richmond, Second,..	Winston-Salem.
Sams, Andrew Fuller, Jr., First,	Winston-Salem.
Scarborough, Dawson Emerson, Third,	Hoffman.
Scott, William DeRosset, First,	Graham.
Shaw, Eugene Guilford, Special,	Greensboro.
Shaw, William Tolman, Third,	Raleigh.
Sinclair, David Cuningham, Jr., First,	Wilmington.
Spruill, Frank Shepherd, Jr., Second,	Rocky Mount.
Stevens, Elliott Walker, First,	Warsaw.
Stevens, Herman Maurice, Special,	Leicester.
Stokes, Thomas Dodds, Second,	Ruffin.
A.B., 1918.	

Stroud, Charles Edward, First, Greensboro.
Stubbs, Daniel Webster, Special, Blount Creek.
Symmes, Charlton Emory, First, Wilmington.
Thomas, Benjamin Hilton, Third, Rocky Mount.
A.B., 1919.
Thorp, Isaac Davenport, Second, Rocky Mount.
Toms, Marion Frederick, First, Asheville.
Trotter, John Paul, First, Charlotte.
Tucker, Joseph Granbery, Second, Plymouth.
Watts, Carl Bryan, Special, Blowing Rock.
Wiegand, Carl, First, Raleigh.
Wilson, Joseph Von, First, Lumberton.
Wingate, Henry Watson, First, Gatesville.
Wright, Thomas Bernard, First, Greensboro.

STUDENTS IN THE SUMMER SCHOOL OF LAW

Bass, Nathan Roscoe, Lucama.
Blackwelder, Buford William, Concord.
Bobbitt, William Haywood, Statesville.
A.B., 1921.
Boney, Daniel Clinton, Kinston.
Brantley, Hobart, Spring Hope.
Brown, Robert Edward Lee, Chadbourn.
Carr, Leo, Teacheys.
A.B., 1918.
Carroll, Adrian Meredith, Burlington.
Cooper, Thomas Duncan, Graham.
Crowell, James Lee, Jr., Concord.
Dunn, James Allan, Salisbury.
Edmundson, Paul B., Goldsboro.
Foster, John Wesley, Mocksville.
A.B., 1919.
Garrett, Charles Grady, Hamlet.
Hammerly, Joseph McCants, Charlotte.
Harris, Joseph Johnson, Bunn.
A.B., 1916.
Hawkins, Thomas Williams, Jr., Charlotte.
A.B., 1920, Davidson College.
Herman, Preston Winfield, Conover.
Hodges, Daniel Merritt, Jr., Asheville.
Holder, Brantson Beeson, Pink Hill.
A.B. and A.M., 1915.
Holding, Clem Bolton, Neuse.

Horton, Phineas Edgar, Jr., Winston-Salem.
Jarman, Lawrence Wooten, Seven Springs.
A.B., 1920.
Jordan, John Yates, Jr., Asheville.
Keelin, John Nathaniel, Jr., Raleigh.
Kiser, Roger Clinton, King.
Lüpfert, Benjamin Bailey, Winston-Salem.
McCall Zebulon Archibald, Elmo.
B.S., 1919, N. C. State College of Agric. and Eng'g.
McKinnon, Daniel Prather, Rowland.
McMichael, John Erle, Winston-Salem.
Marrow, Henry Burwell, Smithfield.
A.B., 1912.
Morrow, Helen A., Mt. Mitchell.
Moseley, Robert Franklin, Clinton.
A.B., 1919.
Norfleet, Eric, Roxobel.
Norris, John Ernest, Holly Springs.
Ogelsby, John Montgomery, Concord.
Oliver, Charles Hampton, Oak Ridge.
Pharr, Neal Yates, Charlotte.
A.B., 1919, Davidson College.
Polk, William Tannahill, Warrenton.
A.B., 1917.
Prescott, Marion Butler, Ayden.
Proctor, John Gilliam, Lumberton.
Rawley, David Albert, Winston-Salem.
Robertson, George David, Asheville.
Scarborough, Dawson Emerson, Hoffman.
Seligson, Charles, Raleigh.
Shaw, William Tolman, Raleigh.
Simpson, Briggs Abel, Glen Alpine.
Sledge, William Whitfield, Weldon.
Teague, Lewis Everett, High Point.
Thorp, Isaac Davenpart, Rocky Mount.
Trexler, Charles Otho Porterfield, Richfield.
Wilkins, John Allen, Linden.
A.B., 1915.
Wimberley, George Lewis, Rocky Mount.
Worthington, Samuel Otis, Winterville.

STUDENTS IN MEDICINE

Ader, Ottis Lado, First,	Advance.
Alexander, James Moffatt, First,	Statesville.
Anderson, Richard Speight, Second,	Whitakers.
Arrasmith, Thomas Milton, Jr., Second,	Hillsboro.
Austin, James Herman, First,	Charlotte.
Aycock, Thofas Bayard, Second,	Pikeville.
Benbow, Edgar Vernon, First,	East Bend.
Byerly, Marshall Paul, First,	Lexington.
Comer, William Ernest, First,	New Castle.
Conoly, James Halbert, Second,	Maxton.
Cook, Joseph Lindsay, Second,	Winston-Salem.
Costner, Walter Vance, Second,	Lincolnton.
Cross, Catharine, First,	Gatesville.
Dale, Grover Cleveland, First, A.B., 1920.	Seven Springs.
Daughtridge, Arthur Lee, Second,	Rocky Mount.
Davenport, Carlton Alton, Second,	Mackeys.
Ditmore, Harry Boaz, First,	Old Fort.
Farrington, Reno Kirby, First, A.B., 1921, Trinity College.	Winston-Salem.
Fields, Daniel Allen, Second,	Laurinburg.
Fowler, Lewis McCargo, Second,	Greensboro.
Fox, Norman Abright, Second, B.S., 1920, Guilford College.	Guilford College.
Fritz, Herbert Huitt, Second, A.B., 1919 Lenoir College.	Hickory.
Garvey, Fred Kesler, First,	North Wilkesboro.
Goley, Willard Coe, Second,	Graham.
Groome, James Gordon, Selond, A.B., 1919, Trinity College.	Greensboro.
Gurley, Hubert Taylor, First,	High Point.
Harrell, William Horace, First,	Mamie.
Hedrick, Clyde Reitzel, First,	Lenoir.
Henderlite, John Warren, Second,	Raleigh.
Hennessee, Valentine Broadway, First,	Glen Alpine.
Hofler, Ralph Hayes, First,	Gatesville.
Howard, Corbett Etheridge, First,	Pink Hill.
Hunter, Frank Patterson, First,	Warrenton.
Johnson, Harry Lester, Second,	Siler City.
Jones, Robert DuVal, Jr., Second,	New Bern.
Jones, Thaddeus Elmore, Second,	Kenansville.
Kellum, Eugene LeRoy, Second,	Norfolk, Va.

Kelly, Herbert Thomas, First, Fayetteville.
Kimberly, David, Jr., Second, Asheville.
Kimbrough, Joseph William, First, Raleigh.
Lennon, Willie Earle, First, Manteo.
Little, Lonnie Marcus, First, Statesville.
Livengood, Baxter Alphonso, First, Winston-Salem.
McAnally, Alfred Loomis, First, Madison.
McGee, Julian Murrill, Second, Mount Olive.
Martin, Paul Todd, Second, Salisbury.
Mason, Manly, Second, Atlantic.
Miner, Allen Alexander, Second, Augusta, Ga.
Mitchell, Thomas Brice, Second, Shelby.
Morris, George Dillon, Second, Goldsboro.
Myers, Dwight Loftin, First, Jennings.
Norfleet, Ashley Curtis, First, Tarboro.
Overcash, William Earl, First, Statesville.
Parker, James Howard, First, Clinton.
Parker, John Merrel, Second, Bradentown, Fla.
A.B., 1916.
Parks, Walter Beatty, Second, Huntersville.
Patterson, Fred Marion, Second, Concord.
Ph. G., 1920.
Patterson, Howard Alexander, First, Chapel Hill.
A.B., 1921.
Riggins, Hazel McLeod, Second, Matthews.
Roberts, Bryan Nazer,, First, Hillsboro.
A.B., 1921.
Roberts, Bennett Watson, Second, Gatesville.
Robertson, Edwin Mason, Second, Woodsdale.
Roseman, Milo, A. Jackson, First, Salisbury.
Rourk, William Asbury, Second, Shallotte.
Sasser, Kirby Cleveland, First, Kenly.
Sawyer, Blackwell, Second, Elizabeth City.
Scruggs, William Joseph, First, Brevard.
Smith, Sidney Silas, First, Fremont.
Spikes, Norman Owen, Second, East Durham.
A.B., 1920, Trinity College.
Stillwell, Harry Clifford, First, Webster.
Stone, Marvin Lee, First, Kittrell.
A.B., 1920.
Tucker, William Arnold, First, Laurel Springs.
Upchurch, Roy Wakefield, First, Oxford.
Warren, Bryan Pope, Second, Blounts Creek.

Weaver, Harold Johnson, First, Olin.
West, Bryan, Clinton, Second, Kinston.
A.B., 1920, Wake Forest College.
Whitehead, Edward Morris, Second, Salisbury.
Widenhouse, Martin Aubrey, First, Concord.
Wilson, Leonard, Livingstone, Second, Mount Olive.
A.B., 1920. Davidson College.
Winstead, John Lindsay, Second, Elm City.
Womack, Nathan Anthony, Second, Reidsville.
Woodward, Jake Garrett, First, Edwin, Tenn.
A.B., 1920.
Yarborough, Frank Ray, Second, Cary.
A.B., 1920, Trinity College.

STUDENTS IN PHARMACY

Alderman, Jacob Leroy, First, Edenton.
Averitt, Beatrice, Second, Cedar Creek.
Banks, Clarence Eugene, First, Burnsvlle.
Best, John Harper, First, Greensboro.
Bradshaw, Addie Lee, Second, Lenoir.
Bristow, Ellie Burton, Second, McColl, S. C.
Britt, Burney Alexander, First, Candor.
Burgiss, Thomas Roy,' Special, Elkin.
Campbell, Francis Earle, Second, Fayetteville.
Champion, Herbert Otis, Second, Mooresboro.
Ph. G., 1921, Southern College of Pharmacy
Cheek, Lemuel Robertson, First, Hillsboro.
Clark, William Alexander, First, Fayetteville.
Craig, Jack Roby, Special, Wilmington.
Craig, William Franklin, First, Gastonia.
Curtis, Rufus Harrison, First, Dillon, S. C.
Fitzgerald, Thomas Clark, Special, Micro.
Furr, Fitzhugh Lee, Special, Star.
Gerald, Hiram Walker, First, Pine Level.
Glass, Patrick Gray, First, Glass.
Glenn, Jamerson Samuel, Second, Pittsboro.
Goode, Bagwell Sutton, First, Windsor.
Grantham, George Kenneth, Jr., First, Dunn.
Hair, Robert Clifton, First, Pineville.
Hales, Ralph Aaron, Jr., First, Kenby.
Hall, George William, First, Roxboro.
Hall, Stacy Buckner, First, Autryville.
Hall, Samuel Cannady, First, Oxford.
Harrel, John William, Jr., Third, Beaufort.

Haynes, Oscar Lee, First,	Greensboro.
Hicks, Harry Thomas, Second,	Raleigh.
Hogan, Alexander Lacy, First,	Ellerbe.
Holloman, Lewis Jason, First,	Harrellsville.
Hood, Thomas Ruffin, First,	Dunn.
Horton, John Palmer, Second,	North Wilkesboro.
Jackson, Leonidas, Second,	Cooper.
Johnson, James Edwin, Second,	Wallace.
Laidlaw, Herbert Rhodes, First,	Marion.
Langdon, Ralph Edward, Second,	Coats.
McCrummen, Dan Clayton, First,	West End.
McLeod, Alton Brooks, First,	Angier.
Miller, Leitner Sutton, First,	Pinevlle.
Miller, Robert Houston, First,	Albemarle.
Moore, Ernest Edward, Second,	Granite Falls.
Parker, Walter Wellington, First,	Henderson.
Poole, Laurie Brittain, First,	Clayton.
Prout, William Allen, Third,	Webster, Ky.
Pugh, Edward Stuart, Second,	Windsor.
Reeves, Jefferson, First,	Waynesville.
Rice, Leslie Davis, First,	Beaufort.
Rimmer, Robert Meril, Special,	Mebane.
Robinson, Frank, Jr., First,	Lowell.
Royal, Marcus, First,	Salemburg.
Rush, George Washington Carr, Special,	Bisco.
Sills, Joe Branson, First,	Albemarle.
Sisk, Charles Jones, First,	Bryson City.
Smith, Mattie Elizabeth, First,	Marshville.
Sowell, Sam, Special,	Camden.
Stone, Wilbert Lawrence, Second,	Kittrell.
Thompson, Paul, First,	Fairmont.
Tilley, John Everett, Special,	Granite Falls.
Tripp, Guy Oscar, First,	Ayden.
Walker, Archie, Duval, Second,	Currie.
Warner, David Franklin, Special,	Ellerbe.
Watson, Richard, Special,	Tryon.
Westbrook, Almond Percy, First,	Dunn.
White, John Albert, Second,	Belhaven.
Whitmire, Homer Edward, First,	Cherryfield.
Willis, Robert Moore, Second,	Southport.
Wilson, Thomas Vernon, First,	Ashford.
Winders, Willie Ralph, Special,	Fremont.
Woodson, Harry Skinner, Special,	Shelby.
Wrenn, Simeon Mayo, First,	Garner.

SUMMER SCHOOL STUDENTS, 1921

Graduate and Undergraduate Students

Abernethy, Clarissa Harlowe,	Hickory
Abernethy, William Borden,	Chapel Hill
Aderholdt, Mattie Bryte,	Lincolnton
A. B., 1918, Lenoir College	
Alderman, Dorothy,	Wagram
Alexander, Matilda,	Creswell
A. B., 1919, Western Maryland College	
Allen, Sallie,	Warrenton
Amick, Harold Clyde,	Kimesville
A. B., 1920, Elon College	
Anderson, Daisy Louise,	Mars Hill
Anderson, Roy Ritter,	Loudon, Tenn.
A B., 1918, Maryville College.	
Andrews, Columbus,	Granite Falls
Andrews, Elva Dare,	Chapel Hill
Andrews, Lila Dwight,	Chapel Hill
Andrews, Nita,	Chapel Hill
A. B., 1919, N. C. College for Women.	
Anscombe, Francis Charles,	Guilford College
A. B., 1916, Earlham College.	
Apple, Jackson Lafayette,	Greensboro
Armstrong, Ray,	Belmont
A. B., 1918.	
Arrowood, Fred Monroe,	Bessemer City
Atkinson, Minnie,	Mullins, S. C.
Ph. B., 1919, Elon College.	
Austin, James Herman,	Charlotte
Avery, William Johnston,	Morganton
Bailey, Herbert Victor,	Neuse
A. B., 1916.	
Banks, Veston Colbourne,	Grantsboro
Barefoot, Nathan Carl,	Benson
Barefoot, William Jefferson,	Benson
Barnes, William Braddy,	Lucama
A. B., 1917.	
Barrington, Sybil,	Raleigh
A. B., 1920, N. C. College for Women.	
Bason, William Jennings,	Swepsonville
Batchelor, Carey,	Raleigh

Batchelor, Mott Jerome, Jonesboro
Battle, Newsom Pittman, Tarboro
Batts, Katherine Galloway, Tarboro
Baum, Edward Ossian, Poplar Branch
Baxley, Lena Mayo, Gibson
Beasley, Charles Trevelyan, Tampa, Fla.
Beason, Lucia Josephine, Woodruff, S. C.
Bell, Allen Jefferson, Brasstown
Bender, John Alpheus, Polloksville
Black, Albert Reed, Stanley
Black, Ruth Lanier, Columbia, S. C.
Blackwelder, Ruth, Concord
Blackwelder, Ruth, China Grove
Blair, Clarence Dorian, Greensboro
Block, Milton Cecil, Darlington, S. C.
Boettcher, Otto Heath, Elizabeth City
Boling, Roy Wingate, Eiscoe
A. B., 1919.
Boney, Mrs. Inez Crump, Rose Hill
B. L., 1907, Queens College.
Bowden, Moseley Carr, Faison
Boyd, Hasel Oren, Goldsboro
Boyer, Clara Stewart, Toronto, Ohio
Bradsher, Eugenia, Durham
Bramlett, Albert Lincoln, Charlotte
A. B., 1911, Davidson College; A. M., 1916, Univ. of Chicago.
Brinson, Lloyd Thompson, New Bern
Brock, Sarah Lee, Richlands
A. B., 1917, Greensboro College.
Brogden, Mildred Cora, Calypso
Brooks, Clyde Kenneth, Greensboro
Brooks, John, Burlington
Brown, Bryant Council, Snead's Ferry
Brown, Dalma Adolph, Jamesville
Brown, James Richard, Charlotte
Brown, Joseph Robert, Woodland
A. B., 1915, Guilford College.
Brown, William Lee, Greensboro
Bryan, Christopher, Catharine Lake
B. E., 1911, N. C. State College of Agric. and Eng'g.
Bryant, Ella, Winston-Salem
Bryant, Virginia, Wallace
Burgess, Fred Ross, Ramseur
Burleson, Milton English, Erwin, Tenn.

Butler, Daniel Clifton, Rowland
Capel, Arron Leon, Troy
Carr, Leo, Teacheys
A. B., 1918.
Carrell, James Wilson, Reidsville
A. B., 1900, Guilford College.
Carroll, Bascom Ray, Ranger
Carson, Boyce Galloway, Bessemer City
Carson, Robert E. Lee, Bethel
Carter, Emerson Leroy, Hickory
Carter, Ruth, Henderson
Casey, Luby Randolph, Goldsboro
A. B., 1920, Guilford College.
Cates, Clyde Lucius, Chapel Hill
A. B., 1912.
Cato, Alma Odeska, Chester, S. C.
Caveness, Hugh Lynn, Coleridge
A. B., 1919, Trinity College.
Caviness, Myrtle, Grifton
A. B., 1918, Greensboro College.
Cobb, Lucy Maria. Chapel Hill
A. B., 1921.
Cochran, Frederick Cline, Charlotte
Cockerham, Grace, Elkin
Coffey, Carl Sylvester, North Wilkesboro
Cole, Roy Enoch, Pittsboro
Collins, Addison Boyce, Peachland
Collins, Gladys Gillette, Maysville
Coltrane, Ruth Frazier, Sophia
A. B., 1919, Guilford College.
Conoly, James Halbert, Maxton
Cooper, Kathleen Marion, Rocky Mount
Cornelius, William Eugene, Mooresville
Corriher, Daniel Calvin, Landis
Costner, Walter Vance, Lincolnton
Couch, John Nathaniel, Chapel Hill
A. B., 1918.
Courtway, Nelma Elizabeth, Aberdeen
Cozart, Benjamin Franklin, Stem
Craig, Marjorie, Leaksville
A. B., 1919, N. C. College for Women.
Craig, Raymond Lee, Greenwood, Miss.
Crawford, Robert Baker, Jr., Winston-Salem
Crayton, Catherine, Oakboro
A. B., 1918, Trinity College.

Credle, Clement Gibbon, A. B., 1909.	Oxford
Crissman, Curtis, A. B., 1918.	Chapel Hill
Crumpler, Mabel Ruth, A. B., 1919, Trinity College.	Durham
Cunningham, Mildred Laura,	Greensboro
Currie, Easdale, A. B., 1920, Flora Macdonald College.	Parkton
Currie, Mary Lynn,	Carthage
Dale, Grover Cleveland, A. B., 1920.	Seven Springs
Dasef, Laura, A. B., 1917, Oberlin College.	Barberton, Ohio
Davis, Bessie May, Graduate 1909, Greensboro College	Warrenton
Davis, Charles Walker, A. B., 1919.	Hillsboro
Davis, Philip Bibb,	Greensboro
Dawson, Thomas Pugh, Ph. C., 1920.	Norfolk, Va.
Deans, Nell Laurie,	Colerain
Deaton, Delila Celeste,	Troy
Denny, George Vernon,	Chapel Hill
Dickson, Robert Lee,	Grassy Creek
Dimmick, Graham Bennett,	Sanford
Dobbins, Wiley Edwin,	Yadkinville
Dofflemyer, Dewey Hobson, A. B., 1921, Elon College.	Elkton
Duncan, David Dudley,	Beaufort
Dupree, Benjamin Owens,	Plymouth
Edwards, Martha Elizabeth,	Portsmouth, Va.
Eldridge, Harvey Allen,	Bentonville
Eldridge, John Grady, A. B., 1917.	Bentonville
Ellis, Henri Bruce,	Winston-Salem
English, Ethel Evangeline,	Mars Hill
Ensminger, Mrs. Annie Bennett, A. B., 1898, Oberlin College.	Star
Erwin, Carrie, A. B., 1919, Greensboro College.	Norwood
Erwin, Clyde Atkinson,	Cliffside
Essie, Abdo Frank,	Chapel Hill
Evans, Atha West,	Dover
Evans, Willietta, A. B., 1915, Trinity College.	Tyner

Fanning, Frederick Deveau, Jr., Durham
Farlow, Edgar Enoch, Guilford College
B. S., 1896, Guilford College.
Farrell, Henry Darrow, Parkton
Faulkner, Margaret, Monroe
A. B., 1919, Flora Macdonald College.
Ferguson, Elizabeth, Siler City
Fields, Daniel Allen, Laurinburg
Finley, Elizabeth Cowles, North Wilkesboro
Fisher, Amy Louise, Mount Pleasant
Fowler, Charles Worth, Jr., Greensboro
Franklin, Burnie Dewitt, Pyatt
Freeman, Ruth Evelyn, Hamlet
Garner, Jesse Philip, Hills Store
B. S., 1917, Guilford College.
Garvey, Fred Kesler, North Wilkesboro
Gay, Robert Bennett, Gumberry
Gorham, Fannie, Rocky Mount
Grant, Freeman Augustus, Snead's Ferry
Grant, Percy Granville, Snead's Ferry
Gray, Paul Milton, Charlotte
Greenlaw, Dorothy Durland, Chapel Hill
Griffin, Arthur Gwynn, Marshville
Griffin, Harry Leigh, Woodland
A. B., 1919, Wake Forest College.
Griffin, Mary Marion, Marshville
B. S., 1919, Oxford College.
Griffith, Robert Henry, Charlotte
Grose, Claude Harve, Forest City
Guard, John Worth, Coinjock
Hackler, Robert Hardin, Jr., Sparta
Hamer, Douglas, Jr., McCall, S. C.
Hamilton, Ada Penelope, Marshville
A. B., 1919, Chowan College.
Hamilton, Thomas Hoffman, Des Moines, Iowa
A. B., 1907, Monmouth College.
Hampton, Lelia, Chapel Hill
Hamrick, Forest Wylie, Shelby
Hand, Royall Albert, Belmont
Hardee, Erastus Bacon, Stem
Hare, Ruth Vivian, Apex
Harmon, Annie Olivia, Pittsboro
A. B., 1920, Meridian College.
Harmon, John Obie, Pittsboro

Harrell, Ruth Alene, Moyock
Harris, Rille Dinguid, Farmville
Hash, Jackson Bruce, Piney Creek
Hatcher, John Thomas, Calypso
A. B., 1914.
Hathcock, James Shaffner, Norwood
B. S., 1919, N. C. State College of A. and E.
Hearn, Carrie Isabelle, Willard
Heath, Carey Esther, Harmony
A. B., 1919, N. C. College for Women.
Heinsberger, Margaret Stuart, Wilmington
Helms, Frances Virginia, Monroe
A. B., 1914, Guilford College.
Helms, Henry Arthur, Thomasville
A. B., 1920, Wake Forest College.
Henderlite, John Warren, Raleigh
Henderson, Curtis, Chapel Hill
Henry, Homer, Sylva
A. B., 1915, Emory and Henry College.
Herring, Annie Wells, Burgaw
Herron, Fred Julian, Skyland
Hill, Annie Belle H., Red Springs
B. L., 1916, Flora Macdonald College.
Hill, Vernon Allen, Polkton
Hinshaw, Clifford Reginald, Battleboro
A. B., 1916, Guilford College.
Hinson, Thera Earl, Monroe
S. B., 1921.
Hobbie, Sherwood Eugene, Pleasant Garden
Hockett, Eula Eugenia, Pleasant Garden
A. B., 1919, Guilford College.
Hodges, Charlotte Harper, Kinston
A. B., 1920, Randolph-Macon Woman's College.
Hoffner, Benjamin Ivey, Salisbury
A. B., 1921.
Holdford, Anne Virginia, Raleigh
Holt, William Preston, Jr., Duke
Holton, Beulah Catherine, New Bern
Honeycutt, Adolph Jenkins, Chapel Hill
Honeycutt, Gilbert Mansfield, Chapel Hill
Howard, Thomas Simmons, Pink Hill
Howie, Lois, Albemarle
Huckabee, Bess Jean, Albemarle
Huff, Hubert Henry, Soudan, Va.
A. B., 1917.

Huitt, Robert Daniel, Newton
A. B., 1920, Lenoir College.
Hunt, Edwin Clyde, Lexington
Hutchins, John Manning, Winston-Salem
Hyman, Elizabeth Spruill, Gatesville
Isear, David Wesley, Wilson
Ives, Claude Leon, Grifton
Ivey, Bessie Florence, Norwood
A. B., 1907, Salem College.
Jackson, Leonidas, Cooper
Jackson, Vara Edna, Cooper
James, Margaret Elizabeth, Darlington, S. C.
James, Murray Gibson, Maple Hill
B. S., 1918, N. C. State College of A. and E.
Jamison, Robert Paul, Charlotte
Jenkins, Edgar Bryan, Nashville
A. B., 1920.
Jobe, Levi Haywood, Mebane
A. B., 1918.
Johnson, Bessie Frank, Delway
A. B., 1913, Meredith College.
Johnson, Ferdie Talmage, Delway
A. B., 1916, Wake Forest College.
Johnston, Mary Elizabeth, Mount Holly
Johnston, Rufus Manfred, Gastonia
Jones, John Clyde, Wingate
A. B., 1915, Wake Forest College.
Jones, Nelle Irene, Roanoke Rapids
Joyner, Elisha Wiley, Hertford
A. B., 1913.
Keith, Judson Ellis, North Side
Kellum, Isaac James, Marines
A. B., 1915, Elon College.
Kendrick, Haywood Benjamin, Cherryville
Kent, Stephen Garland, Sanford
Kimberly, William Maney, Asheville
King, Jennings Bryan, Burem, Tenn.
Kinney, Elizabeth Alma, High Rock
B. S., 1921, Oxford College.
Kiser, Henry Lester, Bessemer City
Kiser, Roger Clinton, King
A. B., 1919, Guilford College.
Koontz, Rufus Gwyn, Mocksville
Lambeth, Harry Lee, Thomasville
Lankford, Greene Wright, Harmony

Lassiter, James Horace, Rich Square
A. B., 1920.
Lassiter, Leroy Irving, Rich Square
Latshaw, Harry Franklin, Chapel Hill
A. B., 1920, A. M., 1921.
Latta, Mary, Durham
A. B., 1919, Trinity College.
Lay, Ellen Booth, Beaufort
Leak, Gypsie Estelle, East Bend
Ledbetter, Ida Belle, Dome
A. B., 1915, Meredith College.
Ledford, Robert Newton, Hot Springs
A. B., 1921.
Lee, James Lovette, Mount Olive
Lee, Sanford Martin, Newton Grove
A. B., 1920.
Leeper, Mamie Bright, Belmont
A. B., 1919, N. C. College for Women.
Lentz, Ada, Gold Hill
B. S., 1914, N. C. College for Women.
Leonard, Edward Charles, Burlington
B. S., 1913, Earlham College.
Lesesne, Elizabeth La Matte, Sumter, S. C.
Lethco, Helen Elizabeth, Charlotte
Lewis, Margaret May, Scotland Neck
A. B., 1904, Meredith College.
Lewter, Florine Tempe, Durham
A. B., 1919, Trinity College.
Lindsay, Elizabeth, Taylorsville
Lineberger, Henry Abel, Belmont
Lineberry, Richard Arthur, Siler City
B. S., 1920, Guilford College.
Lingerfeldt, Thomas Clinton, Bessemer City
Linker, Margaret Catherine, Salisbury
B. P., 1915, N. C. College for Women.
Liston, Sara Lapsley, Jacksonville, Ala.
Llorens, Fernando, Santiago, Cuba
Loftin, Emily Louise, Beaufort
A. B., 1919, Trinity College.
London, William Lord, Pittsboro
Long, Rebecca Gatling, Jackson
B. A., 1919, Chowan College.
Long, Ruth Virginia, Chapel Hill
Love, Claude Lorraine, Murphy
Love, Leah, Monroe
Lucas, Anne Elizabeth, Currie
Lynch, Willie Graham, Chapel Hill
Lyon, Thomas Christian, Creedmoor

McArn, Archibald Douglas, Chattanooga, Tenn.
A. B., 1920, Davidson College.
McCormick, Hugh, Manchester
A. B., 1916, Davidson College.
McDowell, Joscelyn, Waynesville
McEwen, Joe Levy, Charlotte
McFayden, Paul Rutherford, Jr., Concor
Macfarlan, Julia Gamble, Darlington, S. C.
McKay, Eunice Stacy, Dunn
B. L., 1901, Flora Macdonald College.
McKee, Jessie, Belmont
A. B., 1918, N. C. College for Women.
McLeod, John Blount, Lumberton
McMahan, William Hampton, Winston-Salem
A. B, 1914, Trinity College
McMurry, Ernest Logan, Columbus
McNairy, Charles Banks, Jr., Kinston
McPherson, Elizabeth Gregory, Shiloh
A. B., 1914, Oxford College.
McWhorter, Malcolm Hubert, Calypso
McWhorter, Zack Davis, Calypso
Mackie, Nathan Walser, Boonville
Mann, Frank Bascom, Franklin
Marrow, Alice Burwell, Henderson
A. B., 1918, N. C. College for Women.
Martin, Dwight Delos, Yadkinville
Martin, Elbert Hoke, Charlotte
A. B., 1921.
Martin, Floyd Alexander, East Bend
Martin, Leo DeWitte, Suffolk, Va.
A. B., 1919, Elon College.
Massenburg, James Speed, Louisburg
A. B., 1921.
Massey, Lucille Lee, Durham
Massey, Olin Eugene, Waxhaw
Massey, William Crow, Waxhaw
Matthews, Ralph Faison, Raleigh
Matthews, Rudolph Samuel, Albemarle
Miller, Mary Thelma, Roseland, Va.
Millsaps, Vera Euanna, Statesville
B. S., 1915, N. C. College for Women.
Mock, Anna Mae, Advance
Mock, Henry Bascom, Lewisville
A. B., 1917.
Moffitt, Stuart Rhodes, Ashboro
Moore, Frances Willard, Dudley
B. S., 1920, Guilford.

Moore, Josephine Alsey, Greensboro
A. B., 1917, N. C. College for Women.
Moore, Leonidas Holt, Faison
Moose, Nancy Elizabeth, Rose Hill
Morrow, Adelaide, Mebane
B. P., 1911, N. C. College for Women.
Morse, Mildred Eliza, Charlotte
Morton, Levi Thomas, Jacksonville
Moss, Cora Jenkins, Franklinton
A. B., 1918, Trinity College.
Mourane, Joseph Harley, Greensboro
Myers, Dwight Lofton, Jennings
Myers, Mary Taylor, Charlotte
Nesbitt, Teasdale Clark, Chapel Hiil
Neville, Grace Virginia, Chapel Hill
Newton, Giles Yeomans, Gibson
A. B., 1916, Trinity College.
Nichols, Charles Leslie, Brevard
Nichols, Lee Burrus, Sparta
A. B., 1920, Davidson College.
Nicholson, Wilburn Avery, Woodleaf
B. D., 1918, Union Theological Seminary.
Nims, Frederick Boyden, Mount Holly
A. B., 1917.
Norfleet, Ashley Curtis, Tarboro
Norfleet, Charles Edward, Winston-Salem
Norton, Elva Minnie, Laurel Hill
Norton, John William Ray, Laurel Hill
A. B., 1920, Trinity College.
Norton, Ruby Ruth, Laurel Hill
O'Brien, William Lee, Jr., Winston-Salem
Oliver, Daniel Burl, Lumberton
Overcash, James Oliver, Statesville
A. B., 1913.
Owens, Henry Grady, High Point
Parker, Ethel Mae, Kings Mountain
A. B., 1918, Meredith College.
Pearson, Earl Whittier, Dudley
A. B., 1914, Guilford.
Pegg, Herbert Dale, Guilford College
A. B., 1915, LL. B., 1916, Wake Forest College.
Pemberton, Heath Lee, Concord
Perdue, William Clyde, Henderson
Perry, Thomas Gray, Wilkesboro
A. B., 1916, Guilford College.
Person, Joseph Arrington, Charlotte
Pharr, Fred, Charlotte

Pickens, Wiley Miller, Salisbury
A. B., 1916, Trinity College.
Pickett, Howell Grady, Madison
Pollock, Philip Basil, Trenton
A. B., 1921.
Poore, Mary Emma, Detroit, Michigan
Powell, Thomas Edward, Jr., Warren Plains
A. B., 1919, Elon College.
Prescott, Colie Eugene, Ayden
Pressly, Joseph Lowry, Charlotte
Pridgen, Katie Bunn, Greensboro
A. B., 1917, N. C. College for Women.
Pritchard, Margaret, Chapel Hill
Pritchard, Vera, Chapel Hill
A. B., 1920.
Pruden, Lina Tucker, Edenton
Ragsdale, James Edward, Florence, S. C.
Rand, Emmett Gladstone, Garner
Ranes, Arthur, Raleigh
A. B., 1908, Wake Forest College.
Ranson, Paul Jones, Huntersville
Raper, Annie Lindsay, Linwood
A. B., 1919, Elon College.
Raper, Julius Rowan, Jr., Linwood
Reavis, Peter Augustus, Jr., Louisburg
Redwine, Thomas Worth, Monroe
Reep, Alfred Roy, Gastonia
A. B., 1917, Trinity College.
Renegar, Harvey Caldwell, Harmony
A. B., 1921.
Reynolds, Bruce Dodson, Long Island, Va.
B. S., 1920, The Univ. of Va.
Rhodes, George Washington, Newport
A. B., 1911.
Richardson, Mary Kiva, Wendell
Richardson, William Banks, Ashboro
S. B., 1919.
Robbins, George Branson, Jamestown
A. B., 1921.
Robertson, Emily Armistead, Norfolk, Va.
Robinson, Edmund Eugene, Concord
Robinson, Melvin, Atlantic
A. B., 1914.
Rogers, Exum Allen, Durham
Rogers, William White, Timberlake
A. B., 1912.
Rogers, Mrs. William White, Timberlake

Ross, Bertha Louise, Brooklyn, N. Y.
B. A., 1919, Hunter College.
Sample, Gilbert Douglas, Roxboro
A. B., 1920, Davidson College.
Sams, Willie Mae, Kinston
Savage, Carl Preston, Rose Hill
Sawyer, Effie Godfrey, Belcross
Sawyer George Lippard, Gastonia
A. B., 1915, Lenoir College.
Scott, Benajah, Jr., Lucama
Scott, Dolly Pearl, Lucama
Shaw, Isabelle Williams, Ivanhoe
Shaw, John Alexander, Fayetteville
B. S., 1918, Davidson College.
Shepard, Frederick Carlyle, Wilmington
A. B., 1921.
Shine, Lou Sullivan, Chapel Hill
A. B., 1921.
Shine, Wesley Hill, Chapel Hill
A. B., 1921.
Shore, George Dewey, Yadkinville
Short, George Asa, Wilson
A. B., 1913, Guilford College.
Short, Mrs. George Asa, Wilson
A. B., 1914, Guilford College.
Simpson, Henry Belk, Matthews
A. B., 1920.
Sisk, Ruby Juanita, Franklinton
A. B., 1919, N. C. College for Women.
Siske, Ada Blendon, Pleasant Garden
A. B., 1918, Salem College.
Siske, Boyden Crelvo, Belhaven
A. B., 1914, Davidson College.
Sloan, Isabel, Raleigh
A. B., 1917.
Smith, Albert Lewis, Concord
Smith, Charles Henry, Reidsville
Smith, Charles Laughinghouse, Greenville
Smith, John Elba, Pilot Mountain
Smith, Junius Everette, Chapel Hill
A. B., 1914, Wake Forest College.
Smith, Ralph Otis, Kemps Mill
Smith, Whittie Jay, Greenville
Smith, William Leonidas, Greensboro
Smithdeal, Edward Octavius, Advance
A. B., 1902, Trinity College.
Snoddy, Charles Edison, Mount Airy
A. B., 1917.

Southerland, Julia Mae, Goldsboro
Sowell, Sam, Camden, S. C.
Spencer, Rebert Baxter, Chapel Hill
A. B. in Education, 1921.
Sprinkle, Thomas Weaver, Greensboro
A. B., 1916, Trinity College.
Stacy, Mamie North, Nebo
Stalvey, Archie Boyd, Jr., Roxboro
Stillwell, Harry Clifford, Webster
Stine, Glenn Ralph, Newton
Stone, Marvin Lee, Kittrell
A. B., 1920.
Stone, Orlando, Apex
Story, Joseph Reynolds, Marion
A. B., 1921, Davidson College.
Stout, Flossie Mae, Greensboro
B. S., 1916, N. C. College for Women.
Strowd, Elizabeth, Chapel Hill
Stuart, Lyndon Everett, Snow Camp
A. B., 1917, Guilford College.
Sumner, Mark, Chapel Hill
Swinney, Edith Lyle, College Park, Ga.
Sykes, Grace Lawrence, Woodland
B. A., 1919, Chowan College.
Sykes, Leander Edward, Mebane
Sykes, Paul Scarborough, Woodland
A. B., 1917, Wake Forest College.
Taketomi, Yasuo, Hakodate, Japan
A. B., 1919, Waseda University.
Tanner, Jesse Spencer, Rutherfordton
Tate, Mabel Brooke, Old Fort
B. E., 1919, N. C. College for Women.
Tayloe, Joshua, Washington
Taylor, Maggie Satterwhite, Nebo
A. B., 1919, Elon College.
Taylor, Walter John, Rutherfordton
Teague, Everett Simon, Taylorsville
A. B., 1920.
Tenney, Edwin Wright, Chapel Hill
Terry, John Skally, Rockingham
A. B., 1918.
Thomas, Cyrus Berkeley, Jonesboro
A. B., 1921.
Thomas, Henderson Lee, Broadway
A. B., 1917, Elon College.
Thomas, Lawrence Allan, Greensboro

Thomas, Mary Emma, Cameron
Thompson, Earle Hinson, Chapel Hill
Thompson, Frank Thornber, Asheville
Thompson, Robert Love, Jr., New York, N. Y.
Toy, Jane Bingham, Chapel Hill
Tremain, Rawleigh Lewis, Jamestown
A. B., 1921, Guilford College.
Trexler, Clarence William, Richfield
A. B., 1919, Roanoke College.
Trexler, Daisy Elizabeth, Richfield
Truitt, James Spencer, Sanford
A. B., 1912, Elon College.
Turner, Samuel Monroe, North Wilkesboro
Umstead, Luther Wiley, Stem
A. B., 1920.
Upchurch, Roy Wakefield, Oxford
Uzzell, Lula Valeria, Chapel Hill
Uzzell, Pauline, Chapel Hill
Van Noppen, Donnell, Greensboro
S. B., in Commerce 1921.
Veasey, Elbert Lambert, Stem
A. B., 1917.
Verner, Mary Elizabeth, Brevard
Walker, Carl Hampton, Coinjock
A. B., 1920.
Walkup, Bess Rusk, Renick, W. Va.
A. B., 1920, Randolph-Macon Woman's College.
Walsh, Joseph Norman, York, S. C.
Warlick, William Farel, Hickory
Warren, Marion, Durham
Wearn, James Sims, Charlotte
Wearn, Robert Morrison, Charlotte
Wearn, William Richard, Jr., Charlotte
Weatherly, Carl Holmes, Kernersville
B. S., 1905, Davidson College.
Weathers, Curtis Linville, Bunn
A. B., 1920, Wake Forest College.
Webb, Elizabeth, Chapel Hill
Weinstein, Vita, Brooklyn, N. Y.
A. B., 1920, Hunter College.
Welch, Oscar Blaine, Charlotte
S. B., 1921.
Wells, Dare Abernethy, Asheville
White, William Edgar, Jr., Louisburg
Whitehead, Lola Mae, Jonesville, S. C.
A. B. and D. S., 1920, Limestone College.

Whitener, Daniel Jay, Hickory
Whitener, Russell Winfield, Hickory
A. B., 1917, Catawba College.
Whitley, Ona Ruth, Unionville
B. A., 1920, Queens College.
Wilkins, Alger Bright, Linden
Williams, Calvin Ursinus, Poplar Branch
Williams, Pearl, Concord
Williams, Sue Vernon, Asheville
A. B., 1919, Randolph-Macon Woman's College.
Williams, Woodward White, Durham
Williamson, Arthur, Salemburg
Williamson, Benjamin Napier, Louisburg
Wilson, Joseph Von, Lumberton
Wilson, Thomas, Rural Hall
S. B., in Commerce 1921.
Winstead, Rhoda Ellen, Ransomville
Wolff, Miles Hoffman, Concord
A B., 1919, Roanoke College.
Womack, Anderson William, Mill Spring
Woodall, Junius Cheston, Charlotte
Woodard, Clement Manly, Florence
A. B., 1918.
Wooten, Robert Southerland, Mount Olive
Workman, Frank Leslie, Burlington
Wright, Nathaniel, Ahoskie
A. B., 1915.
Yorke, Dorothy Gertrude, Maxton
A. B., 1920, Carolina College.
Young, Ina Vivian, East Durham
A. B., 1917, Trinity College.
Young, Marvin Pleasant, Farmington

NORMAL SCHOOL STUDENTS

* Registered for County Summer School credit on recommendation of I. C. Griffin, State Supervisor of County Summer Schools.

Adams, Eula Blue, Hamlet.
Albright, Elizabeth Turner, Spencer.
Allen, Katherine Dalton, Littleton.
Anderson, Bruce, Terra Ceia.
Andrews, Dora Rhett, Chapel Hill.
Anthony, Mrs. Maud Patton, Morganton.
Ardrey, Mrs. Lois Harris, Charlotte.
Arnold, Della, Hamptonville.

Arthur, Virginia Ficklen,	Greenville.
Ashe, Flora Houze,	Wadesboro.
Askew, Vera Mae,	Jamesville.
Atkins, Frances Arnold,	Thomasville.
Atkins, Lula Eleanor,	Winston-Salem.
*Austin, Edna Queenie,	South Creek.
Avent, Bertha Partridge,	Jonesboro.
Babb, Alice,	Hertford.
Bailey, Rosa,	Tarboro.
Bain, Eva Hortense,	Wendell.
Ball, Minnie Moning,	Bahama
*Ballance, Laura Allen,	Reidsville.
Banks, Eunice Theodora,	Raleigh.
Barbrey, Louise Jane,	Calypso.
Barco, Ethel May,	Roper.
Barnes, Flora McNeil,	Lillington.
Barnes, Georgia Albert,	Lillington.
Barnette, Roy Wellons,	Mebane.
Barwick, Beulah Howard,	Ayden.
Bass, Luther Thomas,	Garysburg.
Bass, Mary Corneva,	Dunn.
Baum, Mildred Gertrude,	Poplar Branch.
Bell, Victoria Ellen,	Canton.
Benoy, Margie Clapp,	Selma.
Best, Fannie Elizabeth,	Warsaw.
Bird, Georgianna Marie,	Thomasville.
Bizzell, Leah,	Kinston.
Black, Ruth,	Gastonia.
Blackwelder, Pearle Nola,	China Grove,
Blanchard, Dora Alphonso,	Elizabeth City.
Blanchard, Virgie,	Gatesville.
Bloxton, Virginia Clementine	Greensboro.
Bond, Mary Whiting,	Norlina.
Boney, Homer Mac,	Teacheys.
Booth, Eugenia Gail,	Catawba.
Bowen, Pearl,	Burgaw.
Boyett, Eunice Langdom,	Chadbourn.
Brantley, Elsie Josephine,	Spring Hope.
Brantley, Maudie Embley,	Zebulon.
Brinn, Oneida,	Hertford.
Brockwell, Alice Mae,	Elizabeth City.
Brogden, Una Jane,	Calypso.
Brookes, Sallie Davis,	South Boston, Va.
Brower, Snoda Emily,	Liberty.

Brown, Alice Lee,	Chapel Hill.
Brown, Dallas Virginia,	Charlotte.
Brown, Edna Propst,	China Grove.
Brown, Florence Elizabeth,	Macclesfield.
Brown, Helen Elizabeth,	Greenville.
Brown, Susan Effie,	Jamesville.
Browning, Nell Cain,	Hillsboro.
Bryan, Beulah,	Garner.
Bryan, Jean,	Chapel Hill.
Bryan, Pauline Elizabeth,	Newton Grove.
Buchanan, Ethel,	Winnsboro, S. C.
Bullock, Margaret,	Bethel.
Burch, Lillian Alexander,	Chapel Hill.
Burgess, Lorraine,	High Point.
Burnette, Myrtle Cornelia,	Chapel Hill.
Burton, Benjamin Dixon,	Burgaw.
Bustle, Vera Loretta,	Huntersville.
Butler, Juanita Rebecca,	Roseboro.
Butler, Thelma Louise,	Tabor.
Bynum, Ida Budd,	Rock Hill, S. C
Cagle, Bert,	Rutherfordton.
Cannon, Hettie Mae,	Marion.
Carawan, Lizzie Maye,	Roper.
Carpenter, Mary Eve,	Wilmington.
*Carraway, Edward Francis,	Newport.
Carraway, Mattie Albritton,	Snow Hill.
Cashion, Minnie,	Davidson.
Cason, Aleph Ann,	Wilmington.
Castelloe, Fannie,	Aulander.
Chandler, Eugenia Alice,	Ruffin.
Chandler, Lelia Hunter,	Ruffin.
Chandler, Mary Price,	Ruffin.
Chandler, Roby Thomas,	Virgilina, Va.
Chandler, Sallie,	Virgilina, Va.
Chappell, Jessie Mae,	Candor.
Cherry, Harry Jetton,	Davidson.
Clark, Ruth,	Americus, Ga.
Clayton, Anna,	Albemarle.
Clayton, Marion Elizabeth,	Laurinburg.
Clendinen, Carrie Stewart,	Abbeville, Ala.
Cobb, Amanda Holmes,	Lumber Bridge.
Cole, Flora McIver,	Carbonton.
*Collins, Veva Merle,	Roper.

Conley, Anna Willard,	Marion.
Constable, Caroline Pinkham,	Charlotte.
Cook, Lillian Mary,	Winston-Salem.
Copeland, Susie Fay,	Burlington.
Corbett, Callie Ethel,	Whitakers.
Cothran, Mary Elizabeth,	Hamlet.
Cox, Mattie Virginia,	Trenton.
Cozart, Mary Elizabeth,	Stem.
Crawley, Lillian Annis,	Littleton.
Credle, Kate,	Swan Quarter.
Creech, Esther Lee,	Four Oaks.
Creel, Charles Herbert,	Chapel Hill.
Cridlebaugh, Banks,	High Point.
Crockett, Harry Tennyson,	Berkley.
Cromartie, Lottie,	Elizabethtown.
Crosland, Louise Evans,	Montreat.
Cross, Mrs. Sallie Parker,	Gatesville.
Currie, Edgar Dudley,	Gibson.
Currie, Isabella Campbell,	Fayetteville.
Currin, Lelia,	Oxford.
Davis, Johnnie Lou,	Four Oaks.
Davis, Mabel,	Troy.
Davis, Naomi,	Charlotte.
Day, Mrs. Bertha Cinderella,	Merritt.
DeArmon, Gladys,	Charlotte.
DeBerry, Lura Mebane,	Chapel Hill.
Devault, Mrs. Myrtle Senter,	Mouth of Wilson.
Dearman, Claudius Hursell,	Chapel Hill.
Deaton, Madge,	Mooresville.
Dellinger, Lena Dora,	Lincolnton.
Donkle, Maria Dorothy,	Wilmington.
Doughty, Lily May,	Augusta, Ga.
Dover, Dorothy Esther,	Shelby.
Draper, Bessie,	Whitakers.
Draughon, Edgar S. W.,	Fayetteville.
Duke, Olive,	Newton.
Duncan, Annie Virginia,	Beaufort.
Duval, Eugene Rankin,	Grassy Creek.
Eagle, Inez Amanda,	Spencer.
Eason, Clara Barton,	Selma.
Eason, Nina Belle,	Tyner.
Edwards, Annie Clyde,	Whitehead.
Edwards, Cornelia Lee,	Sparta.

Eldridge, Mrs. John Grady,	Bentonville.
Eldridge, Young Wyley,	Bentonville.
Ellen, Annie,	Rocky Mount.
Ellington, Harvey Dixon,	Saxapahaw.
Ellis, Annie Lou,	White Oak.
Emerson, Mrs. John Boone,	Hillsboro.
Entrekin, Ora Estell,	Atlanta, Ga.
Erwin, Mrs. Evelyn,	Cliffside.
Eskridge, Helen Elizabeth,	Shelby.
Evans, Marie Susannah,	Murfreesboro.
Everett, Marvin McHenry,	Oak City.
Everett, Ruth Louise,	Edenton.
Fairley, Beatrice,	Monroe.
Faison, Isabel,	Rocky Mount.
Farmer, Eula Maie,	Clayton.
Farmer, Pattie Virginia,	Rocky Mount.
Ferebee, Agnes Old,	Shawboro.
Ferebee, Mildred Olive,	Ernul.
Ferguson, Minnie Lula,	Murphy.
Ferguson, Pauline,	Murphy.
Finley, Grace Kathleen,	Marion.
Fish, Susie Frances,	Willow Spring.
Fleming, Margaret Krider,	Woodleaf.
Flowers, Albert Ruffin,	Sims.
Flowers, Beatrice,	Bayboro.
Flowers, Mary Arden,	Sims.
Fuller, Carrie Hunt,	Oxford.
Fussell, Norma Gibbons,	Rose Hill.
Futrell, Sadie,	Woodland.
Gaither, Mona Elizabeth,	Harmony.
Garrett, Florence,	Price.
Garrison, Mary Beaufort,	Fort Mill, S. C.
Gary, Anna Pemberton,	Spencer.
Gary, Mary Belle,	Henderson.
Gary, Margaret Ludolph,	Spencer.
Gatlin, Allene Green,	Snug Haven.
Gayle, Emily Dearborn,	Farmville.
Giles, Jessie Florence,	Hillsboro.
Gilkeson, Cary White,	Moorefield.
Goforth, Lona Vallery,	Dysartville.
Goodman, James Orval,	Beaver Creek.
Gore, Sarah Maude,	Clarendon.
Gough, John Anderson,	Winston-Salem.
Gowen, Charles Ewell,	Roanoke Rapids.

Graham, Anne Alexander,	Charlotte.
Green, Fannie Irene,	Durham.
Green, Minnie Rosebud,	Warrenton.
Greene, Cora Mae,	Lillington.
Greer, Eva Ruth,	Chase City, Va.
Grier, Jane Lee,	Matthews.
Griffin, Clara Gladys,	Elm City.
Griggs, Blanche,	Poplar Branch.
Griggs, Maude,	Harbinger.
Grogan, Eleanor,	Stoneville.
Grogan, Pauline,	Stoneville.
Hackney, Mildred Louise,	Charlotte.
Hairr, Varo Henry,	Clinton.
Hall, Estelle,	Hillsboro.
Hancock, Corinne Wesley,	Angier.
Hardee, Lucy,	Stem.
Harding, Mary Virginia,	Yadkinville.
Hardy, Mrs. J. B.	Brookhaven, Miss.
Hardy, Mary Alice,	Amelia, Va.
Hargrove, Homer Gay,	Dunn.
Harrell, Mrs. Bettie Moore,	Williamston.
Harrell, Sarah Moore,	Williamston.
Harris, Alice Virginia,	China Grove.
Harris, Claire,	Roxboro.
Harris, Maud Lee,	Oakboro.
Harrison, Helen,	Brinkleyville.
Hatcher, Mrs. John T.	Calypso.
Heath, John Windford,	Harmony.
Heilig, Bess Barrier,	Mt. Pleasant.
Heilig, Laura Ellen,	Mt. Pleasant.
Helsabeck, Clara,	Tobaccoville.
Helsabeck, Zella Alice,	Mizpah.
Hendren, Adeline Rachel,	Wilkesboro.
Hester, Gelia Estelle,	Hurdle Mills.
Hester, Viola Janie,	Oxford.
Highsmith, John Lester,	Watha.
Highsmith, Launa Ava,	Roper.
Hightower, Mabel Clara,	Prospect Hill.
Hill, Alice Earle,	Leaksville.
Hill, Hattie Virginia,	Sunbury.
Hill, Mildred Lee,	Kinston.
Hinkle, Ada Louise,	Welcome.
Hinson, Mrs. Geneva Robinson,	Rockingham.
Hipps, Mary Lucile,	Canton.

Hobson, Johnsie Henrietta,	Salisbury.
Hodges, Mary Elizabeth,	Kinston.
Hoke, Robert Lee,	Lakeview.
Hoke, Mrs. Robert Lee,	Lakeview.
Holder, Mrs. Naomi Dail,	Pink Hill.
Holeman, Claudia Elizabeth,	Timberlake.
Hollingsworth, Jesse Gentry,	Mount Airy.
Hollingsworth, Marion,	Newton.
Hollingsworth, Noma,	Newton.
Hollomon, Amber Gayle,	Elizabeth City.
Holton, Irene Comstock,	Jamestown.
Homan, Kathleen Ernestine,	Elizabeth City.
Hopkins, Kate,	Brown Summit.
Hopkins, Pearl Jane,	Creswell.
Horton, Lanie,	Bunn.
*House, Bernice,	Parmele.
Howell, Annie Reginald,	Peachland.
Hudson, Ruth Gladys,	Bentonville.
Hudson, Tennie,	Dunn.
Hughes, Pearl Elizabeth,	Elizabeth City.
Hundley, Annie Pratt,	Leaksville.
Hurst, Lillian Louise,	Brevard.
Hutson, Alta Maie,	Liberty.
Iseley, Mrs. Lena Hall,	Charlotte.
Isenhour, Mrs. Evelyn Mary,	Woodleaf.
Jackson, Eva,	Dunn.
Jackson, Lula Heptinstall,	Littleton.
Jackson, Olivia,	Cooper.
James, Geneva Alice,	Cliffside.
James, Sadie Lucindia,	Chattanooga, Tenn.
Jamison, Florence May,	Charlotte.
Jenkins, Elmyra,	Roanoke Rapids.
Jenkins, Vivian Bryant,	Rocky Mount.
Jennings, Rena Inez,	Elizabeth City.
Jerome, Eunice Blair,	Winfall.
Jessup, Timothy James,	Belvidere.
Jimeson, Thessa Ann,	Garden City.
Johnson, Bessie,	Statesville.
Johnson, Mary Jane,	White Oak.
Johnson, Mary Spencer,	Kinston.
Johnson, Vada Holden,	Farmington.
Johnston, Mary Yorke,	Charlotte.
Jones, Emma Kate,	Sanford.
Jones, Gertrude Preston,	Marion.

Jones, Kathlyn Corrine,	Stem.
Jones, May Esther,	Louisville, Ky.
Jones, Valeria Jane,	Angier.
Joslin, Mrs. Muriel Imogen,	Canton.
Joyce, Adah,	Stoneville.
Joyner, Mattie Loretta,	Jackson.
Kehoe, Emma Louise,	New Bern.
Kelly, Bessie Olivia,	Wilmington.
Kerr, Jennie Lee,	Kings Mountain.
King, Annabella,	High Point.
Kinsey, Frances Elizabeth,	La Grange.
Kirby, Grace,	Supply.
Kittrell, Olive Valeria,	Grimesland.
Klutz, Janie Ruth,	Concord.
Kluttz, Sadie Elizabeth,	Salisbury.
Kornegay, Kate Jenette,	Mount Olive.
Lane, Mrs. Annie Gay,	Aurora.
Lane, Margaret Hooker,	Mount Vernon Springs.
Lashley, David Hurley,	Liberty.
Lassiter Vivian Jane,	Aulander.
Latta, Christine Currin,	Oxford.
Latta, Huldah Gail,	Oxford.
Leonard, Lena,	Lexington.
Leonard, Lorene,	Catawba.
Lewis, Gladys,	Rutherfordton.
Hay, Jeane Lisle,	Kings Mountain.
Lewis, Ola Dale,	Poplar Branch.
Lingerfeldt, Mrs. Ethel Mary,	Bessemer City.
Lister, Sarah Catherine,	Jackson.
Little, Sarah Hardison,	Wadesboro.
Livermore, Mary Hoyland,	Morristown.
Lloyd, Elva Lillian,	Chapel Hill.
Lloyd, Ruth Roserlyn,	Chapel Hill.
Logan, Eva Beatrice,	Winston-Salem.
Logan, Harris Kenneth,	Bostic.
Long, Elizabeth,	Charlotte.
Long, Hugh,	Rocky Point.
Long, Jesse Melvin,	Molly.
Long, Reba Thomas,	Seaboard.
Lowder, Mamie Belle,	Mount Pleasant.
Lowrance, Gladys,	Catawba.
Lowry, Marguerite,	Lowell.
McCombs, Mary Jo,	Murphy.
McCulloch, Robbie Bannerman,	Populi.

McDonald, Katherine Morris,	Charlotte.
McDuffie, Julius Ford,	Chapel Hill.
McGehee, George Badger,	Chapel Hill.
McGowen, Minnie Elizabeth,	Willard.
McIntyre, Bess Bernice,	Wingate.
McIver, Ellen Morrow,	Mebane.
McIver, Janie Frances,	Greensboro.
McIver, Mary Wilcox,	Mebane.
McKinnon, Fannie,	Wadeville.
McLean, Mary Louise,	Red Springs.
McLennan, Lona Belle,	Durham.
McMillan, Margaret,	Parkton.
McNair, Olive,	Rockingham.
McNeely, Maud Dewey,	Lake Toxaway.
McQueen, Florence Dixon,	Fayetteville.
McWhorter, Mrs. Z. D.,	Calypso.
Macon, Ernest M.,	Climax.
Macon, Genevieve Nicholson,	Louisburg.
Maness, Archibald Kelly,	Biscoe.
Marley, Margaret Elizabeth,	China Grove.
Martin, Elsie,	Mayodan.
Massey, Eula Mae,	Youngsville.
Matthews, Earl Pomeroy,	Clinton.
Mauney, Estelle,	Kinsey.
Mayfield, Mrs. W. O.,	Newport News, Va.
Medlenka, Gertrude,	Crowley, La.
Meekins, Edith Mae,	Stumpy Point.
Merritt, Hattie Bryan,	Chapel Hill.
Michael, Ada DeWitt,	Oriental.
Miller, Lawrence Alton,	North Wilkesboro.
Miller, Margaret,	Edenton.
Miller, Pauline Geneva,	Raleigh.
Mills, Eva Lucretia,	Tabor.
Montague, Maude Leigh,	Woodsdale.
Moore, Annie Belle,	Lenoir.
Moore, Cora May,	Waynesville.
Moore, Hannah Edna,	Warsaw.
Moore, Mrs. Marguerite,	Wilmington.
Moore, Margaret Eliza,	Warsaw.
Morgan, Esther,	Benson.
Morgan, Ellie Hortense,	Benson.
Morgan, Lucy Lee,	Cosapeake.
Morgan, Thelma Elizabeth,	Fairview.
Morris, Lillian,	Jacksonville.

Morrison, Marian,	Reidsville.
Morton, Elizabeth,	Bridgeton.
Moss, Kathlyn Mildred,	Reidsville.
Mungo, Ruth Blair,	High Point.
Munn, Minnie,	Biscoe.
Muth, Marguerite Marie,	Edenton.
Nelson, Leslie Davis,	Atlantic.
*Nelson, Mrs. Leslie Davis,	Atlantic.
Nelson, Mrs. Sarah Lavina,	Chattanooga.
*Nelson, Vida Lee,	Atlantic.
Neville, Annie Mae,	Chapel Hill.
Neville, Ethel,	Chapel Hill.
*Neville, Dillie,	Chapel Hill.
Newton, Laura Wise,	Roxboro.
Nichols, Lee Burrus,	Sparta.
Noe, Minnie Beaufort,	Beaufort.
Noel, Margaret Dulaney,	Rose Hill.
Norman, Hilda Irene,	Salisbury.
Norwood, Sallie Stovall,	Bullock.
O'Daniel, Leonora,	Chapel Hill.
O'Daniel, Mattie Lee,	Chapel Hill.
Odom, Patty Borland,	Pinetown.
Odom, Rowena Florence,	Red Springs.
Oliver, Mrs. Artie Estelle,	Lumberton.
Oliver, Ethel Matilda,	Top Not.
Oliver, Lucy Carr,	Top Not.
Ormand, John Abel,	Kings Mountain.
Orr, Gertrude,	Currie.
Osteen, John Luke,	Selica,
Owens, Edward Lindsay,	Plymouth.
Page, Kitty,	Morrisville.
Paris, Mrs. James Yancey,	Henderson.
Parker, Julia Piccola,	New Bern.
Parks, Mabel Lorena,	Kannapolis.
Parrish, Flossie Mae,	Clayton.
Patterson, Roberta Harriss,	Airlie.
Patton, Ruby Irene,	Greensboro.
Pearce, Ruby Eleanor,	Timberlake.
Peele, Eva Irene,	Williamston.
Penney, Mabel Eulalia,	Raleigh.
Perry, Patty Burges,	Henderson.
Perry, Verneena,	Elizabeth City.
Petree, Thelma Adelaide,	Germanton.
Phillips, Mollye Parks,	State Road.

Pinner, Viola,	Columbia.
Pipkin, Mary Elizabeth,	Charlotte.
Plott, Una Vero,	Waynesville.
Plunkett, Mary Kilgo.	Wadesboro.
*Poindexter, Eric,	Winston-Salem.
Pope, Annie Lee,	Dunn.
Poplin, Lectie Irene,	Albemarle.
Porter, Mrs. Mary Elizabeth,	Salemburg.
Potts, Dewey,	Warsaw.
Powell, Clara,	Greenville, Ala.
Powell, Edna,	Harmony.
Powell, Mary Lou,	Whiteville.
Powell, Nell Thomas,	Bynum.
Powell, Pearl Eugenia,	Harmony.
Price, Katie May,	Price.
Price, Mamie Elizabeth,	Price.
Price, Nola,	Selma.
Pridgen, Callie,	Fayetteville.
Pridgen, Mrs. Ida Warren,	Elm City.
Proctor, Lena Adelia,	Rocky Mount.
Proctor, Marie Davidson,	Davidson.
Proctor, Ruth,	Rocky Mount.
Ramsay, Mary Ellen,	Salisbury.
Ratcliffe, Sallie Luellyn,	High Point.
Rawley, Frances Miller,	Winston-Salem.
Roy, Flora Elizabeth,	Hillsboro.
Reade, Evelyn Candace,	Durham.
Reese, Sue Eulalia,	Salisbury.
Reid, Nancy Alexander,	Matthews.
Rembert, Ollie,	Greensboro.
Rendleman, Addie,	Charlotte.
Rice, Eleanor Fuller,	Chapel Hill.
Rich, Lilla Mae,	Chapel Hill.
Riggins, Eunice M.,	Matthews.
Riggs, Dorothy Effie,	Moriah.
Riser, Mrs. Jessie Summer,	Gibsonville.
Riser, Yancey Von Allen,	Gibsonville.
Roberts, Annie May,	Selma.
Roberts, Nellie,	Southern Pines.
Roberts, Ruth,	Shelby.
Robertson, Emma Laura,	Woodsdale.
Robertson, Rosa,	Woodsdale.
*Robinson, Vera,	Atlantic.
Roebuck, Millie Jane,	Robersonville.

Rogers, Elizabeth Emeline,	Clyde.
Rothrock, Carmel Elizabeth,	Eller.
Rowlett, Margaret Lewis,	Belmont.
Royall, Annie Hamlet,	Lynchburg, Va.
Rush, George W. C.,	Biscoe.
Russ, Cleveland Christopher,	Exum.
Sanders, Leola,	Four Oaks.
Sasser, Essie,	Kenly.
Satterfield, Celia Elizabeth,	Edenton.
Saunders, Beatrice Earle,	Zebulon.
Saunders, Mrs. Winifred Ellen,	Salisbury.
Scarboro, Mary Gold,	Star.
Sears, Bess,	Durham.
Sease, Will Shecut,	Durham.
Sechler, Meta Olivia,	Kannapolis.
Sessoms, Annie Laurie,	Ahoskie.
Sessoms, Margaret Louise,	Ahoskie.
Sheffield, Mary Sue,	Ruffin.
Shine, Mary Lee,	Rocky Mount.
Shine, Margaret Pope,	Faison.
Shuford, Roberta Eugenia,	Fairview.
Sikes, Mrs. Ida,	Salemburg.
Siler, Sue Myrtle,	Ramseur.
Simmons, Sue Graves,	Petersburg, Va.
Simpson, Ida Celestia,	Burlington.
*Simpson, Mary Ruth,	Burlington.
Sink, Joseph Carl,	Lexington.
Sink, Mary Ila,	Lexington.
Sloope, Grace Emma,	China Grove.
Sloope, Mabel Lucile,	China Grove.
Smith, Alice Ferrell,	Gates.
Smith, Christine Marple,	Charlotte.
Smith, Herbert Lee,	Laurel Hill.
*Smith, Lucy Gertrude,	Atlantic.
Smith, Mollie,	Wadesboro.
Smith, Turner Josephine,	Shelby.
*Smith, Winifred Benbury,	Gates.
Smithdeal, Ethel,	Advance.
Smithwick, Helen Elizabeth,	Louisburg.
Snipes, Lillian,	Selma.
*Somers, Frances Bingham,	Wilkesboro.
Souter, Mrs. Agnes Lang,	Wilmington.
Southerland, Lyda,	Magnolia.
Speight, Ellen,	Sunbury.

Spruill, Rosa Virginia,	Oriental.
Stacy, Rose Leila,	Marion.
Stafford, Susie Foust,	Burlington.
*Stanfield, Uldene Frances,	Macclesfield.
Stanton, Frances,	Elizabeth City.
Stearns, Pauline Barbour,	Raleigh.
Stell, Ruby Louise,	Zebulon.
Stephens, Louise Thomas,	Roxboro.
Stephens, Mabel Clair,	Holly Springs.
Stephens, Mary Ivey,	Roxboro.
Stevens, Hattie,	Matthews.
*Stevens, Lillian,	Matthews.
Stewart, Mary Speed,	Henderson.
Story, Frances Cross,	Eure.
Stuart, Alma Emily,	Liberty.
Sturges, Lelia Annette,	Henderson.
Stutts, Amanda Bell,	Brevard.
Sumner, Mark,	Chapel Hill.
Swaringen, Lucile,	China Grove.
Swinney, Mamie Ruth,	College Park, Ga.
Tarkenton, Nellie,	Mackeys.
Tate, Bess Rowena,	Marion.
Taylor, Nannie Louise,	Grifton.
Taylor, Ruth Cornelia,	McCullers.
Temple, Beulah Pauline,	Dunn.
Tenney, Jane Mary,	Chapel Hill.
Tesh, Bessie White,	High Point.
Thomas, Claudia Ila,	Jonesboro.
Thomas, Eugenia Hendren,	Clayton.
Thomas, Frances Harriet,	Hightowers.
Thompson, Ada Estelle,	Hillsboro.
Thompson, Kathleen Isabelle,	Mount Airy.
Thompson, Redden Aycock,	Aurora.
Thomson, Frances Bashlor,	Wilmington.
Thornton, Ella Wood,	Elizabeth City.
Thornton, Mrs. Robert Jackson,	Port Gibson.
Tinnin, Mary Irene,	Hillsboro.
Tipton, Jessie Powell,	Hot Springs.
Titman, Laura Elizabeth,	Lowell.
Tompkins, Grace,	Rock Hill, S. C.
Townsend, Idelle Ione,	Harrisburg.
Townsend, Tessie Lee,	Lumberton.
Triplett, Luceba Maria,	Hertford.
Tripp, Annie Elizabeth,	Washington.

Trollinger, Verdie Gladys,	Burlington.
Turlington, Mamie,	Clinton.
Turner, Pattie Gordon,	Durham.
Tyson, Lyda Eliza,	Farmville.
Upchurch, Mrs. Lonnie Milton,	Belhaven.
Uzzell, Sallie Melba,	Seven Springs.
Van Dyke, Marion,	Atlanta, Ga.
Vann, Eddie Mae,	Como.
Vinson, Esther,	Selma.
Walker, Lora Evelyn,	Reidsville.
Walker, Mabel Duella,	Graham.
Walker, Mary Frances,	Reidsville.
Walker, Mrs. William Harry,	Poplar Branch.
Wall, Eula Dell,	Winston-Salem.
Wall, Lillian Virginia,	Winston-Salem.
Wall, Ola Gertrude,	Old Fort.
Waller, Flora Emerson,	Mount Olive.
Walter, Evelyn,	Rayville, La.
Walton, Margaret,	Gatesville.
Ward, Bertha Mae,	Parmele.
*Ward, Clara Mae,	Bethel.
Ward, Retta,	Swansboro.
Warren, Bessie Hill,	Edward.
Warren, Ema Mildred,	Burlington.
Warren, Gladys Virginia,	Farmville.
Warriner, Williamette Christina,	Ruffin.
Weatherly, Mrs, Eloise Walker,	Kernersville.
Webb, Bettie,	Wilson.
Webb, Margaret Louise,	Chapel Hill.
Welch, Blanche Enola,	Asheville.
Welch, Kathleen Eleanor,	High Point.
Wellons, Mabel Florence,	Smithfield.
Wells, Annie Estelle,	Kenansville.
West, Furman E.	Black Creek.
Wester, Annie Hamlet,	Franklinton.
Whitaker, Elizabeth Lewis,	Littleton.
White, Claudia Jennings,	Townsville.
White, Edna Allen,	Townsville.
White, Irene Vandalia,	Norfolk, Va.
White, Lizzie Mae,	Wise.
White, Martha Dixon,	Ramseur.
White, Mary deLong,	Newton.
White, Susan,	Shelby.
Whitehurst, Mary Latham,	New Bern.

Whittington, Margaret Helen,	Snow Hill.
Whittington, Minnie Mae,	Snow Hill.
Wicker, Ruth Thomas,	Elon College.
Williams, Addie Schweikert,	Stedman.
Williams, Bessie Beatrice,	Drum Hill.
Williams, Catherine Franklin,	Kittrell.
Williams, Mrs. Calvin Ursinus,	Poplar Branch.
Williams, D'Arcy David Shivers,	Rocky Mount.
Williams, Joseph Adolphus,	Mebane.
Williams, Jacob D. W.,	Tabor.
Williams, Kate Goodman,	Cofield.
Williams, Lena Mae,	Chapel Hill.
Williams, Mary Alice,	Drum Hill.
Williams, Myrtle Elizabeth,	Angier.
Williams, Sara A.,	Fayetteville.
Williams, Viola Margaret,	Creswell.
Wilson, Carrie,	Gaffney, S. C..
Wilson, Henrietta,	New Bern.
Winslow, Lanta,	Asheboro.
Wood, David Moses,	Garner.
Wood, Frances Margaret,	Trinity.
Woodall, Mrs. Anne Minchin,	Oxford.
Wooten, Ruth Allen,	Whiteville.
Worth, Clara Louise,	High Point.
Yancey, Dorothy,	Salisbury.
Yarboro, Lelia May,	Hope Mills.
Yates, Carolyn Ballinger,	Guilford.
Zimmerman, Helen Beatrice,	Lexington.
Zimmerman, Mildred Cecil,	Lexington.

DEMONSTRATION SCHOOL PUPILS

Andrews, Evelyn	Foister, Robert	Parker, Helen
Bennett, Placid	Fowler, Annie	Pendergraph, Bessie
Boney, Eunice	Fowler, Joseph	Pendergraph, Nellie
Boney, Harvey	Gooch, Amelia	Prouty, Frederick
Booth, Wallace	Green, Dorothy	Prouty, William
Bowen, Clyde	Hanford, Barbara	Rainey, Julian
Brockwell, Effie	Hanford, Grace	Rigsbee, Bruce
Brockwell, Joanna	Hanford, Margaret	Rigsbee, Cullen
Brown, Otway	Henry, Rena	Rigsbee, Ernest
Buice, Clarence	Herndon, Mary	Rowell, Evelyn
Buice, Harry	Hocutt, Naomi	Saylor, Louise

Burch, Virginia
Burr, Dorothy
Bynum, Rupert
Bynum, Seny
Bynum, Vivian
Carson, Ada
Carson, Louis
Cate, Mildred
Cate, Noel
Clarke, Brady
Clarke, Maudie
Coltrane, Mary
Dorsett, Frank
Dorsett, Henry
Dorsett, James
Dorsett, Ralph
Duke, Worth
Durham, Bruce
Farrell, Martin
Fields, Theo
Hocutt, Ruth
Hogan, Norwood
Hinson, Sarah Anne
Hudson, Albert
Jordan, Rebecca
Lacock, Helen
Lear, Merritt
Leigh, May
Lindsay, Mary
Long, Alice Lee
Long, Vida
Markham, Emily
Merritt, Janie
Merritt, Joe
Merritt, Leo
Neville, Noble
Odum, Eugene
Oliver, Barnio
Oliver, Caris
Sparrow, Bruce
Steiner, Frederick
Stone, Edgar
Stone, Ella Louise
Strowd, Billy
Sturdivant, Clarence
Sturdivant, Gladys
Sumner, Raiford
Tankersley, William
Taylor, Baxter
Taylor, Jack
Taylor, Rena Belle
Thompson, Ruth
Uzzell, Francis
West, Thelma
Williams, Eleanor
Williams, Frances
Wills, Thelma
Wilson, Edward

CORRESPONDENCE STUDENTS

Credit

Abramowitz, Jacob Bernard, Wilmington.
Absher, Darius Cleveland, Camp Bragg.
M. D., 1909, University of Maryland.
Alexander, Violet, Louisburg.
Allen, Christine, Horse Shoe.
Aycock, Frank Bayard, Jr., Hamilton.
Barbour, Luther H., Durham.
A. B., Trinity.
Baum, Alton Emmett, Fairfield.
Boose, Grace Ella, Winston-Salem.
Boyd, Pearl Mae, Hickory.
Carroll, Bascom Ray, Ranger.
Clark, Samuel Hubert, Waxhaw.
Coburn, Cora May Hill, Washington.
Corbett, Callie Ethel, Whitakers.
Corbett, Samuel Hubert, Whitakers.
Currin, Joe Badgett, Oxford.
A. B., 1913, Wake Forest College.
Cuthrell, Sallie, Battleboro.
Cutlar, Lillie Fielding Poisson, Winston-Salem.
Earnhardt, Lois Winecoff, Kannapolis.
Griffin, Arthur Gwynn, Advance.
A. B., 1921.
Grissette, Felix Alexander, Collettsville.
Gurganus, Eliza Hill, Wallace.
B. S., 1920, Colby College.
Hamrick, Cora Anne, Shelby.
Hayes, Katharine Inez, Granite Falls.
Helms, Frances Virginia, Monroe.
A. B., 1914, Trinity College.
Hinson, George Hardison, Dudley.
Hobeika, John, Monroe.
Hubbard, Hope, Farmer.
Jacocks, Tom B., Jr., Tarboro.
Johnston, Rufus, M. Jr., Gastonia.
Jones, James Bate, Caroleen.
A. B., 1916, Wake Forest College.
Joyner, Jack, Garysburg.
Kemp, Mrs. Malcom D., Fayetteville.
Kidd, Mrs. Paris, Concord.
Lance, Helen Earnhardt, Hemp.
Latta, Elsie M., Oxford.

Latta, Huldah,	Oxford.
Lawrence, Loula Jones,	Wake Forest.
Lincoln, Ethel,	Eureka.
Llorens, Fernando,	Santiago, Cuba.
Love, Claude Lorraine,	Murphy.
McPherson, Elizabeth Gregory,	Shiloh.
Mendenhall, Martha,	Morehead City.
Nash, Sue,	Salisbury.
Owens, Robert Bruce, Jr.,	Charlotte.
Patrick, Jack Quinerly,	Grifton.
Powell, Edith,	Smithfield.
Reavis, Peter Augustus, Jr.,	Louisburg.
Rankin, Henry Ashby, Jr.,	Hallsboro.
Reynolds, Fannie O.,	Highfalls.
Rice, Mrs. B. S.,	Spring Hope.
Scarborough, Albert M.,	Kinston.
Scott, Hugh Andrew,	Goldsboro.
Shoaf, Mary,	Mooresville.
Smith, Annie Lloyd,	Ashboro.
Smitherman, Lulu,	High Point.
Snider, Albert M.,	High Rock.
Tack, Katharine M. W.,	Kinston.
Tayloe, Josh,	Washington.
Thompson, Robert Love, Jr.,	Chapel Hill.
Tripp, Lenora,	Chapel Hill.
Umstead, J. Martin,	Durham.
Upchurch, Mrs. Lonnie Milton,	Ransomville.
Wells, Mary Elizabeth,	Smithfield.
White, James F. Jr.,	Oxford.
Whitener, Mrs. Buren Miller,	Cornelius
Wilson, Lawrence Girard,	New Bern.
Williamson, Benjamin Napier, Jr.,	Louisburg.
Workman, Frank Leslie,	Burlington.
Young, Charlotte,	Oxford.

CORRESPONDENCE STUDENTS
Non-Credit

Blackbourn, Casey Lee,	Wilson.
Clegg, Annie Thompson,	Carthage.
Giersch, Mrs. Richard F.,	Raleigh.
Gunter, Carrie Pell,	Greensboro.
Johnson, Ruby C.,	Delway.
MacDougall, Juanita,	Wilson.
Wilson, Upton G.,	Madison.

STUDENTS (1920-1921)

(Registered after Catalogue was printed)

Arrowood, Bessie D., Correspondence,	Morganton.
Blake, Wyatt Elbert, Special,	Burgaw.
Boyd, Hazel Oren, S.B. I (1),	
Burgess, Fred Ross, Correspondence,	Ramseur.
Cameron, Annie Sutton, Correspondence,	Hillsboro.
Collins, A. Boyce, Correspondence,	Peachland.
Dantzler, Mortimer Owens, S.B. Com.,	Orangeburg, S. C.
Foster, John Wesley, Law, A. B., 1919.	Mocksville.
Franklin, Burnie DeWitt, A.B. in Ed. (3),	Pyatt.
Gurley, Hubert Taylor, Premed.,	High Point.
Hadley, George Milton, A.B. (1),	Mount Airy.
Hash, Jackson Bruce, Correspondence,	Piney Creek.
Latta, Huldah, Correspondence,	Salisbury.
Leach, Nannie Elizabeth, Correspondence,	Cary.
McNeely, Matthew Jerome, Jr., Premed.,	Toledo, Ohio.
Swindell, Nell, Pub. Welf.,	
Tack, Katharine M. W., Correspondence,	Kinston.
Toy, Jane Bingham, A.B. (3),	Chapel Hill.
Tucker, Harry Z., Correspondence,	Madison.
Watson, Fawn, Correspondence,	Timberland.
Webster, Maude, Correspondence,	Stokesdale.
Williams, Addie, Correspondence,	Tarboro.
Williamson, Arthur, Correspondence,	Salemburg.
Hicks, Oscar Vernon, Corresp., Non-credit,	Murphy.
Spitz, Leon, Corresp., Non-credit,	Charleston, W. Va.
Stone, M. H., Corresp., Non-credit,	Raleigh.

STUDENTS

			TOTALS
GRADUATES:			65
UNDERGRADUATES:			
Senior Class		133	
Junior Class		194	
Sophomore Class		298	
Freshman Class		484	
SPECIAL STUDENTS:			
Premedical	148		
Public welfare	10		
Other specials	76	234	1,343
SCHOOL OF LAW:			
Students in Law (Regular Session)	116		
Students in Law (Summer, 1921)	54		170
SCHOOL OF MEDICINE:			
Second Year Students	42		
First Year Students	41		83
SCHOOL OF PHARMACY:			
Third Year Students	2		
Second Year Students	17		
First Year Students	41		
Special Students	12		72
THE SUMMER SCHOOL (1921):			
College and Graduate Students	483		483
Normal and Preparatory Students	607		
Demonstration School	91		
Total Summer School	1181		
THE DIVISION OF EXTENSIONS			
Credit Students	69		69
Non-credit	7		
Total Correspondence Students	76		
Total Number of Regular Students			2285
Deduct for names repeated			182
Net Regular			2103
Total Number of Normal and Non-Credit Students		614	
Deduct for changes to Regular Students		9	
Net Normal and Non-Credited Students			605
Grand Total			2708

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